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			ERKLEGGHHHDVVA CDFSPDGALLATASVDTRVYIWDPHNGDILM EFGHLFPPTPIFAGGANDRWVRSVSFSHDGLHVASLADKMW FWRIDEDYPVQVAPLSNGLCCAFSTDGSLAAGTHDGSVYFWAT PRQVPSLQHLCRMSIRRVMTQEVQELPIPSKLLBFLSYRI
5906	146	2038	REGAGSGRMASGA\YNPYTETIEQPRQGMRFYKCEGRSAGSI PGEHSTDNNRTYPSIQIMNYGKGV\RI\TLVTK\NDPYKPHPH DLVGKDCRD\GYEAEFGQ\RRP\LFPQN\LGIRCVKKKEVKE A\IITR\IKAGINFPDVP*KQLNDIEDCDLDVRLWFRVFLPDG HGNE\TTALPPV\VSSPIYDNRAPNTAELRVCRVNRKNCGSVRGG DEIFLLCDKVKQDDIEVRFLNDWEAKGIFSQADVHRQVAIVFK TPPYCKAITEPVTVKMLRRPSDQEVSESMDFRYLPDEKDTYGN KAKKQKTTLLFQKLCQDHVETGFRHVDQDGLLELTSGDPPTLAS QAGITVNFPERPRPGLGSGIEGGRYFKKEPHEFSDHDAVREMP TGVSSQAESYYPSPGPISGLSHHASMALPSSSWSSVAHPTPR SGMTNPLSSFSTRTLPSNSQGI PPFLRI PVGNDINASNACIYNN ADDIVCMEASSMPADLYGISDFNM\SNCSVNMMTTSSDSMGRT DNPRLSMNLENPSCNSVLDPRDLRQLHQMSSSMSAGANSNTT VFVSQSDAFEGSDFS CADNSMINESGPSNSTNPNSHVFDQSDY SGIGSMQNEQLSDSFPYEFFQV
5907	99	1873	TYLLSSWSS**NLDTKIKSQVKV/RKGHKKISWPYPQPAKQNGK KATSKVPSAPHFVHPNDHANREAE LKKKVVEMREKQQAARQ RQRRRTIESYCDVLRQREFEHKEEVLQELNMFQDDEATR AYYKEFRKVVESDVLVLEVDARDPLGCRCPQMBEAVLRAQGN KLVLVLNKLIDLPKEVVEKWL DYLBNELPTVAFKASTQHVKNL NRCSPVDQASESLKSKACFGAENLMRVLGN YCRLGEVTRTHIR VGVVGLPNVGKSSLINSLKRSRACSVGAVPGITKFMQEVVLDF IRLLDAPGIVPGPNSEVGTILENCVHVQKLADPVPVETILQRC NLBEISNYGVSGFQTTEHFLTAVAHRLGKKKKGLYSQEAQAK AVLADWVSGKISFYTPPDATHLPTHL SAEIVKEMTEVPDIET EQANEDTMECLATGESDELLGDTDPLEMEIKLLHSPMTKIADAI ENKTTVYKIGDLTG YCTNPNRHQMGWAKRNVDRPKSNSMVDVC SVDRRSVLQRMETDPLQOQALASALKNKKMKQKRAKDIASKL SDSMM3ALDLSGNADDGVGD
5908	247	975	HCEIKKRGE GSGSPSPASGGFQ LGCQIPSPSLPSERETHPHTRA HRTTLRATLRRP PRSHSTRIRFPMLDGGGLASWK/PMRER* GWRRPAKAAGASLGVAATGKRCRMSKRYLQKATGKLLIITPI VTLWGRVSSANHHKAHVKTGTCBVVALHRCCKNKNKIBERSQT VKCSCFPGQVAGTTAAPS CVDAIVEQKWWCHMQPCLEGECK VLEDRKGWNSCSGNKVKTKRVTH
5909	1	5002	PAIPGSTIIWAPGSHSARADGRHGS LPSQS QAPGALCGARAPP SSNLRADRS MICAQARAGKNLYHNRFLGLAAMAPPSENSQSLRR CKEPIRYSYNPDQPHNMDLRGGPHDGVTI PRSTDIDLVTSDSR STLMGRSSYYSGHSQDLVIHWDIKREVDAGDWIGMYLIDEVLS ENFLDYKNRGVNGSHRGQI IWKIDASSYFVEPETKICPKYHYGV SGALRATTPSVTVKNSAAPIPKSIGADETVQGGSRRLISFSL DFQAMGLKKGMFPNDPYLKISIQPGKHSIPALPHHGQERRSK IIGNTVNPINQABQSFVSLPTDVL EIEVKDKFAKSRPIIKRFL GKLSMPVQRLLEHAI GDRVVS YTLGRRLPTDHSVGLQFRFRI TSSITHPDDEEISLSTEPESAQIQDS PMNMLMRESGSGRPRSEAPE SSESWKPEQLGEGSVPRPGNQSIELSRPAREAAVITEAGDQCM VSVGPEGAGELLAQVQKDIQAPASAEELABQLDLGHEASALLLE DGEAPASTKEEPL EEBATTQSRAGREBBEKEQREEDVSTLEQG EGRQLRASVKRKS RPSLPVSELETVIASACGDPETPRTHYIR IHTLLHSMPSAQGGSAAEEEDGARESTLKDSSSEKDGLEVDIV AADPSALEEDREEPGATPGTAHPGHS GGHFPLSANGAAQDGT HPSTGESDSSPRQGGDHSCBGCDA SCCSPSCYSSSCYSTSCYS SSCYASASCYSPSCYNGNRFASHTRFSSVDSAKISESTVFSSQDD EEBENSFAFESVPDSMQSPELDPESTNGAGPWQDELAAPSCHVER SPEGLESPVAGPSNRREGECPILHNSQPVSQLPSLRPEHHHYPT IDEPLFPNWEARIDSHGRVYVDHVNRTTTWQRPTAAATPDGMR RSGSIQMBQLNRRYQNIQRTIATERSEEDSGSQSCEQAPAGGG

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			GGGSDSEAESSQSSLDLRREGSLSPVNSQKITLLQLQSPAVKFI TNPEFTVLHANYSAIRVFTSSTCLKHMILKVRDARNFERYQH NRDLVNFIMFADTRLELPFGWEIKTDQCKSPFVDHNSRATTF IDPRIPLQNGRLPNHLTHROHLQRLRSYSAGEASEVSRNRGASL LARPGHSLVAAIRSQHQSLEPLAYNDKIVAFIRQPNIFEMLQE RQPSIARNHTLREKIHVIRTEGNHGLEKLSCADLVILLSLPFE EIMSYVPLQAAPHPGYSFSPRCSPPSSPQNSPGLQRASARAPSP YRRDFEAKLRNFYRKLEAKGFGQGPQKIKLIIRRDHLLBGTFNQ VMAYSRKELQRNKLYVTFVGBEGLDYSGPSREFFLLSQELFNP YYGLFEYSANDTYTVQISPMFAFVENHLEWFRFSGRILG\LALI HQYLLDAFFT\RPFYKALL\RLPC\D\LSLEYLDEEFHQSLQW MKDNNITDILDLTFTVNEEVFGQVTERELKSGGANTQVTEKNK EYIERMVKNRVERGVVQTRALVRGFYEVVDSRLVSVFDARELE LVITAGTAEIDLNDWRNNTEYRGYHDGHLVIRWFWAAVERFNN QRLRLQFVTGTSVPEYGFAPPEWPMGLRRLFP*KKWCKITS LPFRG\HTCLOPDWDLTPVSPRTMPLYEK\LTA\VBETSTFGT
5910	1526	446	VAEFAAMEPGRTQIKLDPRTADLLEVLKTNIGIPSCAFSQPPT AAQLLRALGPVELALTSILTLALGSIATFLEDAVYLYKNTLCP IKRRITLLWSSAPTVSVLCCFGLWIPRSLVIVEMTITSFYAVC FYLLMLVMVEGFGGKRAVLRTLRDTPMMVHTGPCCCPCCPRL LLTRKKLQ\R*CWALNTPS*R*R*PWWACFSSPTASMTQQTFL RGAQLYGSTLSSA/CSTLLALNTLGIISRQARLHLGEQNMGAKE ALEQVLLILTALQPSIFSVLANGQIACSPYSSKTRSQVMNCH LLILBTFLMTVLTMYRKRDIKVGRTFSSEDLNLKALRNM AWTMKGCCTH
5911	109	595	Q*PLAPCIQCKGLEMRSPKQSFIRSSHSGAGLLVKNPSTPVF CGHRRGGAFFKYKPTPVVGPQRPTGQKMRGGVSLSPRLECS GTISAHCNLRPSSSNSPAPAS*LAGITGVCHHAQLIPVFLVET GFHHVGOAGLELL/NVVIHLPRPPKVLGLQA
5912	924	277	MTLNKALMLGALALTVMSPCGGEDIVADHVASYGVNLYQSYGP SQQYSHEFDGDERFYVDLERKETVMQLPLFRFRFRFDQFALTN IAVLKHNLTIVIKRSNSTAATNEVPEVTVFSKSPVTLGQPNLTI CLVDNIFPPVNNITWLSNGHSVTEGVSETRPSSPKSDHFTLQDO VTSPSFFFE*DL*TAKVEQLGANFEPILLKHWGARIPTTL
5913	46	1198	QIRMGAGAAGRQSELEPVVSLVDVLEDELENEACAVLGGG DSEKCSYSGSVKQALYACSTCTPEGKEPAGICLACSYBCRG HKLFLKLYTKRNFRCDCGNSKPKNLECKLLPDKAKVNSGNKYNDN FPGLYCI CKRPYPDEDEIPDEMIQCVCEDWFHGRHLGALPPE SGDFQEMVCQACMKRCSFLWAYAAQLAVTKIST\GMMDWCGTLM E*/DDQEVIKPENGEHQDSTLKRDPVQGGKDDVREVKVRQNSRP CAGSSSESDLOTVFRNESLNABSKSGCKLQRLKAKQLIKKDTAT YWPLNWRSLCTCQDCMKMYGDLVLFITDEYDTVLAYENKGI AQATCRSDPLMDTLSSMNRVQQVELIC/GIQ*FED
5914	960	124	NLGGSELPPREALFIQVASMNRQRRVDFYLASIEDMLVAI/GGRN ENGALSSVETYSPTKDSWSYVAGLPRTFYGHAGTIYKDFVYISG GHDYQIGPYRKNLLCYDRTDVWEERRFMTTARGNHSMSCLGDS IYISIGSDDNIESMERFDVLGVEAYSPOCNQWTRVAPLLHANSE SGVAVWEGRIYILGGYSWENTAFSKTVQVYDREADKWSRGVDLP KAIAGGSACFIAP*SLGQTRKRAKARGTRTGASDPSCASWDH PHRHLPGLCRPAATS
5915	1604	703	FFGRPTPLKLGRRRRRARI IQAPHCHISPRPTCPPGALQAPEA PASRAEGPVAVVNGHTEGPAPARSAPKEPPGLRPLGSPFCPT PQEDFPALGGPCPPRPPSPGFSVAVLLKGTTPPPPPGLVPPIS KPPPGFSGLLPSHP\PVSPAPPPPPQK/RPRLLPAP/PGLPS PRELPGSEPSAHPVHQGLPAERRGPLQRVQEPRLRGVQTGPDLS PVQLQLPGPAGGEFFPEGL*AAAGPAAH
5916	256	633	SPRMWEIWPWHRWESFSLGEWPSRIPEPSPDSTKGTSGKGR TVTGAVHRLHNVAGIIPVVLHSQKPTAATAQDQWTSQQYDPH PTRLLIQ*NAQATADKNN*TTALLQPHQRL\VSPRMABA
5917	1343	827	ABQILTYLEP/ICLVVNNKILTVFLTKSVLEI*KFIHTPTQTYR

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5918	13	1247	<p>F*NDFFGIKEVYVSRRLRKTSP/RLAVTFLEQAVVSKECVVDQ FMEHLLPSLLSLASDPVFNVRVLLAKALRQMLLEKAYFRNAGNP HLEVIRETILALQSDRDQDVSPFAALEPKRRNIIDTAVLEKQN</p> <p>EQAQVARRRSRRQWRAGRCGRGGRRAERTGGRGPPGRRPLP PGPARRGRRRMETPFYGDALSGLGGSAGSGGTTFASPGRPLPG APTAAAGSMKKDALTLSEVAAALKPAPAPASYPPIA/ADG APSAAPDGLIASPDGLLLKLASPELERLI IQSNGLVTTTPTSS QFLYPKVAASEEQEFAEGFVKALEDLKQNLGAGRAAAAAA AGGPGSGTATGSAPPGLAPAAAPEAPVYA/NLSSY/AGGCRGL RGGAAT/VAFABEPVPPPPPPPGALGPRRP/RLALQGRRPQT PDVP/SFGESP/PLSPIET/DTPRRI/KAKRRL/RNPQIRAPK PASRKLGAQSRALERESDPS*SPHGSILASTASLLRQVAQLK QKVLSHVNSGCQLLPQHQPAY</p>
5919	1	4254	<p>TSVQGDSSQGTPTSSQGSINMHHWISQAIHGSTTSTSSSTQSG GSGAAHRLADVMAQTHIENHSAPPDVTTYTSEHSIQVERPQGST CSRTAPKYGNABLMETGDGVFVSSRVSAKIQQLVNTLKRPRRP LREFFVDDFEELLEVOQPDNPQPKPEGAQMLAMRGELGVVITNW PPSLEAALQRWGTISPKAPCLTMDTNGKPLYILTYGKLWTRSM KVAYSILHKLGTQEPFMRVPGDRVALVFPNNDAFMAAFYGCGL LAEVVPVPIEVPLTRKDAGSQOIGPLGSCGVTVALTSDACHKG LPKSPTEGEPQFKGWPKLLWFVTESKHLSKPPRDWF/PHIKDAN NDTAYIEYKTK/DGSLVGVTVTTRALLTHCQALTOACGYTBAR TIVNVLDFKDKDGLMHGILTSVMNMHVISIPYSLMKVNPLSWI QKVCQYKAKVACVKSMDHVALVAHRDQORDINLSSRLMLIVADG ANPWSISSCDAFLNVFQSKGLRQEVICPCASSPEALTVAIRRRPT DDSNQPPGRGVLSMHGLTYGVIRVDSEKLSVLTVDVGLVMPG AIMCSVKPDGVPQLCRTDEIGELCVCAVATGTSYGLSGMTKNT PEVFAMTSSGAPISEYPIRTGLLGFVGGGLVVFVVGMDGLMV VSGRRHNADDIVATAVAPEPMKFVYRGRVAVSVTVLHDERIVI VAEQRPDSSTEEDSFQWMSRVLQAIDS IHQGVGYCLALVPANTLE KTPGLGHLSETKQLFLEGLSHPCNVLMCPHTCVTNLPKPRQKQ PBIGPASVMVGNLVSGKRIAQASGRDLQIBDNDQARKFLFLSE VLQWRAQTTPDHLIYTLNCRGAIANSLTCVQLHKRAKIAVML MERGHLQGDHVALVYPPGIDLIAAFYGCCLYAGCVETVRPPHP QNIATTLPTVKMIVEVSRSACLMTITLICKLRSREAAAVDVR TWPLILDTD*PKKRAQICKPCNPDTLAYLDFSVSTTGMLAGV KMSHAATSAPCRS IKLQCELYPSREVAICLDPYCGLGFWLWCLC SVYSGHQSILIPPSELETNPALWLLAVSQYVRDFTFCSYSVMEI CTKGLGSQTESLKARGLDLSRVRTCVCVVAERPRIALTQSPSKL FKDLGLHPRAVSTSPGCRVNLAIICLQGTSGPDPTTVYVDMRALR HDRVRLVERGSPHSLPLMESGKILPGVRIITANPETKGPLGDSH LGEIHWVHSAHNASGYFTIYGDESILQSDHFNRLSFGDTQTIWAR TGYLGFLRRTELT DANGERHDALYVVGALDEAMELRGMRYHPID IETSVIRAHKSVTECAVFTWNLVVLVVDGSEBQALDLVPLV TNVLEEHYLVGVVVVDIGVIPINSRGEKQRMHLRDLGFLADQ LDPIYVAYNM</p>
5920	1381	1499	<p>QLCAVAHAGVSRIPP*LFPPLHPTFLSLWCLHHLKLP/HPPGASM VRPPVVPVRPPAHISSVRQASTQVPRTPVHTQVAVNIGTQTGP SGVGCTPGRPILPCKCSSAAHSTYRVQEPVAVHIPGQREPLTASM LAAAPLHEQKQMIGERLYPLIHDVHTQLAGKITGMILLEIDNSEL LMLLESPELSHAKIDEAVAVLQAHQAMEQPKAYMH</p>
5921	727	157	<p>VCPGTGGE*GLWQQLGGLPKETPLKPMDAFTGSGLKRKFDDVDV GSSVNSNDEISSDSADSCSLNPPTASPTPTSILKROKQLR RKNVRFDQVTVYYPARRQGFSTVPSQGGSSLGMAQRHNSVRSYT LCEFAQEQEVNHEIREHLKEEKLHAKMKLTKNGTVESVHAD GLTLDVSDDEDIDVENVEVDYF FLQPLPTRRRALLRASGVHR IDAEKQELRAIRLSREECGDCRLYCDPEACACSQAGIKCQVD RMSFPGCSRDGCGNMAGRIEFNPIRVTRTHVLTIMKLELESKR Q/GAAQPPQ/*GALPDCQLQPDRTSTGL*DPWSIGSKLSFTGKG AAATHLIILRVLENRGAEGRK</p>
5922	2475	495	<p>SYSNWGLPPSVFIQVPRSRGTGNLKPFLFYSYE/CMETLKG/T</p>

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			CLYNATQYKVCSPNRDRPDACYNPSEPAATTVFEIRTGILLGDT SKIITRTBEKEIPKQITLRFDAACAINSKKLEIGCGSLN*ERS* RVENKYVCHESGVCKNCAYWPCVI*AT*KKNKNSVYLQKGEAN PSCAAGHCNPLELITNPLDEHKKGERVTLGIDRTGLKQVVI LIKGEVHKCSPKPVFQTFYEELNLPAPPELLKRTKNLFIQLAENV IFLLNGTSCYVRGGTTIGDRWPWEA*ELVPTDPAPDIIFI*KAE ASMF*VLKTSIIRQYCIAREGKDFIIPVGKPNICIGRLYNSTTK TIT*DLNHYEKNPFSKFSKLKTA*AHAEH*DWTFPSGLY*IC RHRAYFRLPNKWADSCVIGTIKPSFLLPLIKMGELLGFSVYASR EKKGIVIGNWKDNEWPRERIQQYGPATWAQDGSWGYR/TP/VY MLNWIIRLQALEIISNETGRALTVLAWQETQMRNATYQNRRLAL DYLLVAEGGVCRKPNLTNCCLOINDQGVVKNIVRDMTKLAHVP IQVWHKFDPESLPGKWFPAPIGGFKTLIVGVLLVIRTCLLLPFVCL PLLFQMIKGIIVATLVHQKTSAHVNYMNHYSISQDSKSEDESE NSH
5923	137	638	QLCGRRGQRFRTSIKRMHPI*RTCPNTNL/IILLSQENTQIRDL QQENRELWISLEEHQDALELIMSRYKQMLQMLVAKKAIDAEV LKAHQSHSAIESQIDRICEMGBVMRKAVQVDDQFCIKQEKLA QLELENKELRELLSISSESLQARKENSMDSASQAIK
5924	274	2146	EKGKVKDAGAEQWISLSLSCKGSWETQFSNHLNLSITPPTSVRM PLITTVTLKMMVARHMHKLLCSKAPSTOLQKKIPLHSQMGIIHQ SVMCKLKNPTSHIISILMGQPMALVQLETAPLITIIQKPTQD HMKFWNLPLHSHHLTPSPQTVIPKKTGSPKIKLKITKTIONG RELFESSLCGDLNWKVQASE/Q*NSQIESRKEKRRKSNKHSSR SEERKSHKIPKLEPEBQNRPNRERVDVSEKPREEPVLKBSGSPSS ANTI PCSNNGSVHW\FKQVQGLVWSKVGTYFPWPCMVSSDPQL EVHTKINTRGAREYHVQFFSNQPERAWVHEKRVREYKGHQYEE LLAETKQASNHSEKQKIRKPRQREARQWDIGLAHAELKMT REERI EQYTFIYIDKQPEBALSQAKKSQASKTEVKKTRRPSVL NTQPEQTNAGEVASSLSSTEIRHSQRRTSAEEKPPPVKIAW KTAARKSLPASITMHKGLDLQKCNMSPVVKIEQVFAIQNATG DGKFIQDFVYSTKIGNKTRISVRGQDRLLISTPNQRNEKPTQS VSSPEATSGSTGSVEKKQRRSIRTRSESRSKSTEVVPKKIKKE QVGFLEHVES
5925	216	1911	MMTASREATGLSPQAQAEKDGIVIVKVEREEDREHMGODSTL QDTPPPDPEIFRQFRFCYQNTFGPREALSRLKELCHQWLRPE INTKEQILELLVLEQFLSILPKELQVNLQEYRPSDSEEAUTLE LDELDLSGQQVPGVHGPEMLARGMVPLDPVQSSSFDLHHEAT QSHFKHSSRKPRLLQSRALPAHLPAPPHGSPRDQAMASALFT ADSQAMVKIEDMAVSLILEEWGCQNLARRNLSRDNQENYGSAP PQGGENRNWNEESTSKARTSEDSASRGETTGRSQKRFGEKRDQE CKTGERQQKNPEKTRKEKRDSPGPAIGKDKTITGERGPREKKG GLERSFSLSNFTTPEEVPTGTSHRCECGKCFTRSSSLIRHK I IHTGEKPYECSECGKAP/SINS\NLVLHQRI\HTGEKPHCECNE CGKAFSHSNLILHQRIHSGEKPYECNECGKAFSQSSD\LTKEHQ RIHTGEKPYECSECGKAFNRNSYLILHRRVHTREKPYKCTKCGK \AFTRSSSTLTLHHRIHARRASEYSPASLDAPGAFLKSCV
5926	2	233	DRCLMLKQSGSPGPPAT/CEPPAPPVYQAFQSCPEPPGAHEP SDSPHPTVHPPEHSAACAPATCCPPPRSSMS
5927	4146	1248	KHFSKFGSQALYQLKRPASQNSISVMPAQKITKPAKYGIPLA YKKGDKKLHEKKPLQKHQAHQTPKRVNTGEERRKISEEAAK RRRLEFIEKKKQKQDIISLMKAEQMKRQBEKERLERINRAREQC WRNVLSAGSGSEVKAPFLGSGGTIAPSSFSRGGQYEHYHAFDQ MQQRAEDNEAKWKRBIYGRGLPERQKQCLAVERAQVEEFLOK KREAMQNKARAEGHMGILQNLAAMYGORPSSSRGGKFRNKEEV YLARLRQIRLQNPNERQQIKAKLRGEKKEANHSEGGSEADM RRRK\TESLKAHANARAALKBOLERKRKAYEREKKVWBEHLV AKGVKSSDVSPPLGQHTGGSPSKQMRSVISVTSALKRVGVS SLTDRETSEEMQKTNNAISSKREILRRLNRNLKAKKDEKQKQ LSDTFEINVHEDAKHEKEKSVSSDRKKWEAGGQLVIPLDELTL DTSFSTTERHTVGEVILGPNGSPRRANGKSPDTSVLKILGEAE

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			LQLQTELENTTIRSEISPEGEKYKPLITGEKKVQCISHRINPS AIVDSPVETKSPFSEASPMQSLKLEGNLEPPDDLETEILQEPS GTNKDE\SLPCTITDQWISSEKKTETQSADRITIQENEVSDEG VSTVDQLSDIHLPGTNDQSHSKCDVDKSVQPEPPFHKVHSE HLNLVPQVQSVQCSPEESFAFRSHSHLPKRNKNKNSLLIGLSTG LPDANNPKMLRTCSLPDLSKLFRTLMQVPTVGDVQRQNLDEIDEI EDENIKEGPSDSSEIVFEETDTDLQELQASMEQLLRBQPGEEYS EEESVLKNSDVEPTANGTDVADEDDNPSSESALNEEWHSDNSD GETASECCECDVFNHLEELRLHLEQEMGFKEKFEVYEKIKAIHE DSDENIEICSKIVCNILGNEHQHLYAKILHLVMDAGAYQEDNDE
5928	4146	1248	KHFSKFGSQALYQLKRPASGQNSISVMPAQKITKPAKYGIPLA YKKYCDKKLHEKKPLQKHQAQHTPEKRVNTGEERRKISEAAR KRRLEPIEKEKKQKQIIISLMKAEQMKRQEKERLERINRAREQG WRNVLSSAGSGEVKAPFLGSGGTIAPSSYSSRGQYEHYHAIPDQ MQQRAEDNEAKWKREIYGRGLPERQKQQLAVERAKQVEEFQOR KREAMQKARAEHGMGILQNLAAHYGGRPSSSRGGKPRNKREBEV YLARLRQIRLQNFNERQQIKAKLGEKKEANHSEGGSGSEADM RRKK\IESLKAHANARAAYLKEQLERKRKRAYEREKKVWEHLV AKGVKSSDVSPPLGQHTGGSPSKQMRSVISVTSALKVEGVDS SLDTTRETSEEMQKINNAISSKREILRLNENLKAQEDKRGKON LSDTFEINVHEDAKEHEKEKSVSSDRKKWEAGGQLVPLDELTL DTSFSTTERHTVGEVILKLPNGSPRRANGKSPDTSVLKILGEAR LQLQTELENTTIRSEISPEGEKYKPLITGEKKVQCISHRINPS AIVDSPVETKSPFSEASPMQSLKLEGNLEPPDDLETEILQEPS GTNKDE\SLPCTITDQWISSEKKTETQSADRITIQENEVSDEG VSTVDQLSDIHLPGTNDQSHSKCDVDKSVQPEPPFHKVHSE HLNLVPQVQSVQCSPEESFAFRSHSHLPKRNKNKNSLLIGLSTG LPDANNPKMLRTCSLPDLSKLFRTLMQVPTVGDVQRQNLDEIDEI EDENIKEGPSDSSEIVFEETDTDLQELQASMEQLLRBQPGEEYS EEESVLKNSDVEPTANGTDVADEDDNPSSESALNEEWHSDNSD GETASECCECDVFNHLEELRLHLEQEMGFKEKFEVYEKIKAIHE DSDENIEICSKIVCNILGNEHQHLYAKILHLVMDAGAYQEDNDE
5929	3	1558	LDFSMITQLPAYVAILLFYVSASQDPTFAAVYEAAILPNAT LTPVSRREALALMNRNLDILEGATSAADQAHIIIVTPEDAIY WNPNRSLYPYLEDIPDPEVNWIPCNNRNRFQGTFFVQERLSC AKNNSIYVVANIGDKKPCDTSDDQCPDGRYQYNTDVVF\DSQG KLVARYHKQNLPMGRNQFNVPKREPIVTFNTTFGSPGIFTCDI LPHDPAVTLVKDFHVDIVFPTAMNVLPHLSAVEFHSAMWCM RVNFLASNIHYPSSKMTGSGIYAPNSSRAFYDMKTEBGLKLLS QLDSHPSHSAVWNWTSYASSIALSSGNKEFGTVFFDEFTFVK LTGVAGNYTVQKDLCHLSYKMSENIPNEVVALGAFDGLHTVE GRYLLQICTLLKCKTTNLTGCGDSARTASTRFEMPSLSGTFGTQ YVFFEVLLSENQLAPGEFQVSTDRGLFSLKPTSGFVLTVTLEGR LYEKDHWASNASGLAQARIIMLVIAPIVCSLSW
5930	113	6082	RGNCFWIVPFTMAQRTGLEDPERYLFVDRAVIYNPATQADWTAK KLWNPISERHGFPAASIKBERGDEVVVELAENGKKAMVKNDDIQ KMNPPKPSKVEDMAELTCLNEASVLHNLKDRYYSGLIYYSGLF CVVINPYKNLPIYSENIIEMYRGKKRHEMPPHIYAISESAYRCM LQDREDQSILCTGESGAGKTENTKKVIQYLAHVASSHKGRKDHEN IPGE\LERQLQANPILESFGNARTVQNDSSRFGKPIRINFVDV TGYIVGANIETYLLEKSRVROKDBERTFHIFYLQSLG\AGEHL KSDLLLEGFNMYRFLSNGYIPIPCQ\QDKGNFRGDPGEAMHMG FSHEEILSMLKVSSVLOFGNISFKKERNTDQASMPENTVAQKL CHILGMNVMEFTRAILTPRIKVGDRYVQKQATKEQADFVAREALA KATYERLFRWLVRINKALDRTRKQASFIGILDIAGFEIFELN SFEQLCINYNTEKLQQLFNHTMPILEQEYVQREGIEWNFIDFGL DLQPCIDLIERPANPPGVALLDEECWFPRATDKTFVEKLVQEQ GSHSKFQKPRQLKDKADFCHYAGKVDYKADENLMKNMDPLND NVATLLHQSSDRFVARLWKDVDRIVGLDQVTGMTETAFGSAYKT KKGMFRTVGLYKESLTKLMATLRNTNPNFVRCIIPNHRKRAGK LDPEHLVLDQLRCNGVLEGRICRQGFNNRIVFQEPQRQRYEILTP

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			<p>NAIPKGFMDGKQACERMIRALELDPNLYRIGQSKIIFRAGVLAH LEEERDLKIITDIIIFQAVCRGYLARKAFKKQQQLSALKVLR NCAAYLKLRHWQWVRVFTKVKPLQVTRQEEELQAKDELLKVK EKQTKVEGELEEMERKHQQLLEEKNILAEQLQAE TELFAEAEM RARLAACKQELERILHDLESRVBEEERNQILQNEKKKMQAHIQ DLEEQLDEBEGARQKLQLEKVTAEAKIKKMEEEILLLEDQNSKF IKEKKLMEDRIAECSSQLAEERKAKNLAKIRNKQEVMSIDLEE RLKKEEKTROELEKAKRKLDGETTDLQDQIAELQAIQIDELKLQ AKKEEELQALARGDDETLHKNNALKVVRBLQAQIAELQEDFES EKASRNKAEKQRDLSELEALKTELEDTLDTAAQQLRTKRE QVVAELKKALEEETKNHRAQIQDMRQRHATALEELSEQLQAKR FKANLEKNKQGLETDNKEACEVKVLQOVKAESHEKRRKLDQV QELHAKVSEGDRLRVLEAKASKLQNELDNVSTLLEEARKKGIK FAKDAASLESQIQDTQELLQETROKLNLSRIRQLEEKNSLQ EQEEERARKNLEKQVLALQSLADTKKKVDDDLGTIESLEEA KKLLKDAEALSQRLEEKALAYDLEKTKNRLQLELDDLTVDLD HQQVASNLEKKQ\KKFDQLABEKSISARYAEEEDRABARARE KETKALSLARALEALEAKEEFERQNKQLRADMEDLMSKDDVG KNVHELEKSKRALEQQV\BEMRTQLEELEDELOATEDAKLRLEV NMQAMKAQFERDLQTRDEQNEBKKRLLIKQVRELEAELEDERKO RALAVASKKMEIDLKDLAQTEAANKARDEVIKQLRLKLAQMK DYQRELEEARASRDEIFAQSESEKLLKSLAEIILQLEELASS ERARRHAEQERDELADEITNSASGKSALLDEKRRLEARIAQLEE ELEEBQSNMELLNDRFRKTLQVDTLNAELAAERSAAQKSDNAR QQLERONKBLKAKLQLEGA VKSKFKATISALEAKIQLEERQLE QEAKEAANAANKLVRTEKKLKEIFMQVEDERRHADQYKEQMEKA NARMKQLKRLQLEAEAEATNANASRRKLQRLDDATEANEGLSR KVSTLKNRLRRGGPISFSSSSRSGRRQLHLEGASLELSDDDTBSK TSDVNETQPPQSE</p>
5931	113	6082	<p>RGNCFWIVPFTMAQRTGLEDPERYLFVDRAVIYNPATQADWTAK KLWVWPISERHGFRAASIKKEERGDEVMMVLAENGKAMVKNDDIQ KNPPPKFSKVEDMAELTCLNEASVLENLKDRYISGLIYTYSGLF CVVINPYKNLPITYSENIEMTRGKKRHMPPHIYAISSSAYRCM LQDREDQSILCTGESGAGKTENTKKVIQYLAHVASSHGRKDNH IPGE\LERQLLQANPILFESFGNARTVQNDSSRFKGFIRINFDV TGYIVGANIETYLEKSRVAVQAKDERTFHFIFYQLLSG\AGEHL KSDLLLEGFNNYRFLSNYIPIPGQ\QDKGNFRGDPGRAMHMG FSHEEILSMLKVVSSVLQFGNISFKKERNTDQASMPENTVAQKL CHLLGMNVMEFTRAILTPRIKVRDYYVQKAQTKBQADFAVBALA KATYERLFRWLVRINKALDRTKRQGSFIFIGILDIACFEIPFLN SFEQLCINITYNEKLQQLFNHMTFILEQBEYQREGIENWFDPLG DLQPCIDLIERPANPPGVALLDDEECWFFKATDKTFVEKLVQEQ GSHSKFQKPRQLKDKADFCIIHYAGKVVDYKADEWLKNNMDPLND NVATLLEHSSDRFVAELWKVDVIRVGLDQVVTGMTETAPGSAYKT KKGMPRTVGQLYKESLTKLMATLRNTNPNFVRCIIPNHEKRACK LDPHLVLDQLRCNGVLEGIRICRQGFNNRIVQBFPRQRYEILTP NAIPKGFMDGKQACERMIRALELDPNLYRIGQSKIIFRAGVLAH LEEERDLKIITDIIIFQAVCRGYLARKAFKKQQQLSALKVLR NCAAYLKLRHWQWVRVFTKVKPLQVTRQEEELQAKDELLKVK EKQTKVEGELEEMERKHQQLLEEKNILAEQLQAE TELFAEAEM RARLAACKQELERILHDLESRVBEEERNQILQNEKKKMQAHIQ DLEEQLDEBEGARQKLQLEKVTAEAKIKKMEEEILLLEDQNSKF IKEKKLMEDRIAECSSQLAEERKAKNLAKIRNKQEVMSIDLEE RLKKEEKTROELEKAKRKLDGETTDLQDQIAELQAIQIDELKLQ AKKEEELQALARGDDETLHKNNALKVVRBLQAQIAELQEDFES EKASRNKAEKQRDLSELEALKTELEDTLDTAAQQLRTKRE QVVAELKKALEEETKNHRAQIQDMRQRHATALEELSEQLQAKR FKANLEKNKQGLETDNKEACEVKVLQOVKAESHEKRRKLDQV QELHAKVSEGDRLRVLEAKASKLQNELDNVSTLLEEARKKGIK FAKDAASLESQIQDTQELLQETROKLNLSRIRQLEEKNSLQ EQEEERARKNLEKQVLALQSLADTKKKVDDDLGTIESLEEA</p>

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			KKLLKDAEALSQRLEKALAYDKLETKNRLQQELDDLTVDLD HQRQVASNLEKKQ\KKFDQLLAEEKSISARYAEERDRAEAEARE KETKALSLARALEBALEAKEEFERQNKQLRADMEDLMSSKDDVG KNVHELEKSKRALEQQV\BEMRTQLEBLEDELQATEDAKLRLLEV NMQAMKAQFERDLQTRDEQNEKKRLITQVRELEARLEDERKQ RALAVASKKMEIDLKDLAQIRANKARDEVITKQLRKLQAQMK DYQRLEBARASRDEIFAQSESEKLLKSLAEIILQLQEELASS ERARRHABQERDELADREITNSASGKSALLDEKRRLEARTAQLE ELEEEQSNMELLNDRFRKTTLQVDTLNAELAAERSAAQKSDNAR QQLERQNKELKAKLQBLEGAVESKFKATISALEAKIGQLEEQLE QEAKEBAAANKLVRTEKKLKEIFMQVEDERRHADQYKEQMEKA NARMKQLKRQLEBAEERATNANASRRKLQRELDATANEGLSR EVS TLKNRLRRGGPISFSSSRSGRRQLHLEGASLELSDDDTESK TSDVNETQPPQSE
5932	33	572	RHLEEICFLFLQKGRKLKLSGPRWEEGKPRGTGGLWVKAENMG FGATLAVGLTIFVLSVTIIICFTSCCCLYKTCRRPRPV\APP PHPP/PVVHAPYPQPPSVPPSPYGPSPYQGYHTMPQPGMPAAY PMQYPPPYPAQPMGPPAYHETLAGGAAAPYPASQPPYNPAYMDA PKAAL
5933	1	3190	GTRKLLKMADKTPGGSQKASSKTRSSDVHSSGSSDAHMDASGSPD SDMPSRTRPKSPRKHNRYNESARESLCDSPHQNLRSRPLENKLK APSIGKMSTAKRTLKKEQEELKKKEDEKAAARIYEEFLAAFEQ SDGNKVKTFVRGGVVNAAKEEHETDEKRGKIYKPSRRFADQKNP PNQSSNERPPSLLVIE TKKPLKKGKKEKKSNNLELFKEELKQI QSERDERHKTGRLSRFEPQSDSDGQRRSMDAPSRNRSSGVL DDYAPGSHDVGDPSTT\NFYLGNI\NPQMNKKCCQEPGRFGP LASVKIMWPRTDEERARERNCGFVAFMNRRAERALKNNGKMI MSFEMKLGWGA VPIPPHPIYIPPSMMEHTLPPPPSGLPFNAQ RERLKNPNAPMLPPPKNKEDFEKTLQAIVKVIPTERNLLALI HRMIEFVVREGPMFAMIMNREINNPMFRFLFENQTPAHVYRW KLYSILQGDSPTKWRTEDFRMFKNKGSFWRPPLNPLYHGMSEEQ ETEAFVEEPSKKGALKKEQDKLEELRGLTPRKNDIGDAMVFC LNNAAAEIIVDCITBSLSILKTPLPKKIARLYLVSDVLYNSSA KVANASYRKFFETKLCQIFSDLNATYRTIQGHLQSENFQKQVM TCFRAEDWAIYEPFLLKQNI FLGLVNIIEKETEDVDPDDL GAPIEEELDGAPLEDVVGIPIDATPIDDLGVPIKSLDDDLGCV PLDATEDSKKNEPIFKVAPSEWAEVDESELAQAVTTSKWELEF QHESEEEENQNEESEDEEDTQSSKSREHLYSNPIKBEEMTE SKFSKYSEMSEKRAKLEIELKVMKFDKLESOKRPPKPGQSF QEQVBHYRDKLLQREKEKELEERERERDKKDKLESRSKDKKKK DECTPTRKERKRREHSTSPSPSRSSSGRRVKSPPKSERSERSER SHKSSRSRSSHKDSPRDVSKAKRSPSGSRTPKRSRRSRSP KKS GKKRSRSRSPHRSHKSKSGKTNTGRKPKKAVTYWKCDLF LCPEERSVF
5934	1	3190	GTRKLLKMADKTPGGSQKASSKTRSSDVHSSGSSDAHMDASGSPD SDMPSRTRPKSPRKHNRYNESARESLCDSPHQNLRSRPLENKLK APSIGKMSTAKRTLKKEQEELKKKEDEKAAARIYEEFLAAFEQ SDGNKVKTFVRGGVVNAAKEEHETDEKRGKIYKPSRRFADQKNP PNQSSNERPPSLLVIE TKKPLKKGKKEKKSNNLELFKEELKQI QSERDERHKTGRLSRFEPQSDSDGQRRSMDAPSRNRSSGVL DDYAPGSHDVGDPSTT\NFYLGNI\NPQMNKKCCQEPGRFGP LASVKIMWPRTDEERARERNCGFVAFMNRRAERALKNNGKMI MSFEMKLGWGA VPIPPHPIYIPPSMMEHTLPPPPSGLPFNAQ RERLKNPNAPMLPPPKNKEDFEKTLQAIVKVIPTERNLLALI HRMIEFVVREGPMFAMIMNREINNPMFRFLFENQTPAHVYRW KLYSILQGDSPTKWRTEDFRMFKNKGSFWRPPLNPLYHGMSEEQ ETEAFVEEPSKKGALKKEQDKLEELRGLTPRKNDIGDAMVFC LNNAAAEIIVDCITBSLSILKTPLPKKIARLYLVSDVLYNSSA KVANASYRKFFETKLCQIFSDLNATYRTIQGHLQSENFQKQVM TCFRAEDWAIYEPFLLKQNI FLGLVNIIEKETEDVDPDDL GAPIEEELDGAPLEDVVGIPIDATPIDDLGVPIKSLDDDLGCV

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			PLDATEDSKKNEPIPKVAPSKWEAVDESELEAQA VTTSKWELFD QHEESEKERNQNEESEDDEDTQSSKSEHHLYSNPIKEEMTE SKFSKYSEMSEEKRAKLREIELKVMKFDLESGKRPKKPGQSF QEQVEHYRDKLLQRBKEKELERERERDKDKKLESRSKDKKEK DECTPTRKERKRRHSTSPSPSRSSSGRRVKSPPSPKSERSESR SHKESRSRSRSHKDSPRDVSKAKRSPSGSRTPKRSRRSRSP KSGKRSRQSRSPHRSHKSKGKTNTGRKFFKAVTYWKCDLP LCPERSVF
5935	3	4493	SYNLGWNLSRPPRPQFWAGNRGIGRFGTMAPVHGDDCRIGASAL SDSGSPVSSRARREKKSKKGRQEALERLKKAKAGERYEVEDF TGVYEBVDEEQYKLVQARQDDDWIVDDDGIGYVEDGREIFDD LEDDALDADEKKGDKARNKDRNVKLA VTKPNNIKSMFIACA GKKTADKAVDLSKDLGLDILQDLWTETPQITPPVMIKKRS IGASPNPFSVHTATAVPSGKIASPVSRKEPPLTPVPLKRAEFAG DDVQVESTEEQESGAMEFEDGDFDEPMVEVEVDLEPMAAKAWD KESEPAREVKQZADSGKGTVSYLGSFLPDVSCWDIDQEGDSSFS VQEVQVDSSHLPLVKGADBEQVFFHYWLDAYEDQYNQPGVVFLF GRVWIESAETHVSCCVMVKNIERITLYFLPREMKIDLNTGKSTGT FISMKDVYREDFEKIATKYKIMKPKSKPVEKNYAFEIPDVPEKS EYLEVKYSAEMPQLPQDLKGETTFSHVGTINTSSLEFLMNRKIK GPCWLEVKKSTALNQPSWCKVEMALKPDLVNVIKDVSPPLV VMAFSMKTMQNAKNHQNIEIAMAALVHHSFALDKAAPKPPQSH PCVVSKEPKDCIFPYAFKEVIRKKNVKVEVAATERTLLGFFLAKV HKIDPDIIVGHNIYGFLEVLQLRINVCKAPHWSKIGRLKRSNM FKLGGRSFGERNATCGRMICDVBISAKELIRCKSYHLSELVQQ ILKTERVVI PMENIQNMYSSESLYLLLEHTWKDA\KFLIQIMC ELNVLPLAQITNLAGNIMSRITLMGGRSERNEFLLLHAFYENNY IVPDKQIFRKPOQKLGDEDEIDGDTNKYKGRKKGAYAGGLVL DPKVGFDYKFI LLDFNSLYPSIIQEFNICFTTVQVASEAQKV TEDGEQEIPELPDPSLEMGILPREIRKLVERRKQVKQLMKQOD LNPDLILQYDIROKALKLTANSMYGCGLGFSYSRFFAKPLAALVT YKGRILMHTKEMVQKNLEVIYGDTSIMINTNSTNLEEVFKL GNKVKSEVNKLYKILLEIDIGVFKSLLLKKKKYAAALVVRPTSD GNYVTQKELKGLDIVRRDWCDAKTGNFVIGQILSDQSRDTIV ENIQRLIBIGENVLNGSVFVSQFINKALTKDPQYDPDKKSLP HVHVALWINSQGGKVKAGDTVSYVICQDGSNLITASQRAYAPEQ LQRQDNLITDTQYLAQIHPVVARICEPIDGIDAVLIATGWEL \DPTQFKVHHYHKKDEENDALLGGPAQLTDEEKYRDCERFKCPCP TCGTENIYONVFDGSGTDMRPSLYRCSNIDCKASPLTFTVQLSN KLIMDIRRFIKKYDGLICEPTCRNRTRHLPQFSRTGPPLCP ACMKATLQPHYSDKSLYTQLCFYRYIFDAECALBKLTTHBBDK LKKQFPPTPKVLQDYRKLENTAEQFLSRSGYSEVNLSKLPAGCAV KS
5936	1124	139	RGEQFDAEFRFACLGGERLQEFSLRLRAVHRSRAWTCYLA RMLMATCCPSPTTACTGPMQAPPLRLVQKRRADSSGLAFAS NSLQRRKKGLLLRPVAPLRTPLLLISLPQDFRQVSSVIDVLL PETHRRVRLHHGSDRPLGFFYIRDGMSVRVAPQG\LERVPGIFI SRLVRGLAESTGLLAUSDEILEVNGIEVAGKTLNQVTDMMVAN SHN\LIVTVKPANQRNNVVRGASGRLTGPPSAGPGPAEPDSDDD SSDLVIENRQPPSSNGLSQGPPCWLHPGCRHPGTRSSLEPSLDD QEQA SSGWGSRI RGDGSGFSL
5937	31	1600	PTSLKSTVQIMCRLLDKRYQCVYSLAEIFKVLASFYVILVIL YGLTSSSYSLWNMLRSSLKQYSFEALREKSNYSIDIPDVKNDFAP LHLADQYDPLYSKRPSIFLSEVSENKLRQINLNEWTVKELKSK LVKNAQDKIELHLFMLNGLPDNVFELTMEVLSLELIPEVKLPS AVSQVLNKLKLRVYHSSILVVDHPALAFLEENLKILRLKFTPMCK IPRWVPHLKNLKELYLSGCVLPEQLSTMQLGFPQDLKNLRTLYL KSLSRIPQVVTDLPLSLQKLSLDNEGSKLVVLNNLKMVNLS LELISCDLERIPHSIPSLNNLHEDLRENMLKTVEEIIISFQHLQ NLSCCLKWHNNIAYIPAQIGALSNEQLSLDHNNIENLPLQLFL CTKLHYLDLSYNHLTFIPBEIQYL\SNLQYFAVTNNNIEMLPDG

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			LFQCKKLCQLLLGKNSLMNLS PHVGEISNLTHREPIG\NYLETLPPELEGCQSLKRNCLIVEENLNLTLPLPVTERTLQTCCLKC
5938	395	1865	YKGEFFCNQEARGERKKKKAMSSPNIWSTGSSVYSTPVPFSQKMTVWILLLLSLYCGPTSQKSDDDYEDYASNTWVLTTPKVPBGDVTVILNNLLLEGYDNKLRPDIGVKPTLIHTDMYVNSIGPVNAINMEYTIDIFFAQTWYDRRLKFNSTIKVLRNSNMVGKIWIPTDFERN SKKADAHWITTPNRMRLRIWNGRVLYSRLTIDAECQLQLHNPMDHSCPLRFSSYGYPREETVYQWKRSSVEVGDTRSWRLYQFSFVGLRNTTEVVKTTSGDYVMSVYFDLSRRMGYFTIQTYIPCTLI VVLSWVSFWINKDAVPARTSLGITTVLTMTLSTIARKSLPKVS YVTAMDLFVSVCPIFVFSALVBYG\TLHYFVSNRKPSKDKDKKK KNPAPTIDIRPSATIOMNATHLQERDEBYGYECLDGKDCASF FCCPDCRTGAWRHGRIHRIAKMDSYARIFFPFAPCLFNLYVW VSYLYL
5939	66	1404	IRPGYLKEVQENSPGHRAGLEPPFDIVSINGSRLNKDNDTLKD LKANVRKPKVKMLIYSSKTLERETSVPNSLWGGQGLLGVSI R FCSFDGANENNVHVLVESNS PAALAGLRPHSDYIIGADTVMNE SBDLFSLIETHEAKPLKLYVYNTDNDCREVITIPNSAWGGEGS LGCGIGYGYLHRIPTPFEEGKKISLPQOMAGTPIPLKDGFE VQLSSVNPSPSLPPGTTGIEQSLTGLSISSTP\PAVSSVLTGVP TVTP\LLPPQVNSQLTSVPPMSESSYLHLPLGLMPFTRQGLPNLPG PSTFNLPR\PTHSWPGVGLYQEFVKPGVLPPLSSMPPRNLPG\I AFLPLPSEFLPSFPLVPESSSAASSGELLSSLPPTSNA PSDPAT TTA KADAASSLTVDVTPPTAKAPTIVEDRVGDSTPVSEKPVSAADANASESP
5940	145	717	RRSASRSASPRQAGTAVTTGTRAGGTCLAAAHHRMRWRADGRS LKELPVHMLGVI TEVEQEPSEFSDIASLVVWCMAGISYISVYDH QGIFKRNNRSLMDEILKQQQELLGLDCSKYSPFANSNDKDDQV LNCILAVKVLSPEDGKADIVRAQDFCQLVAQKQKRPITDLDVDT LA\VYLVQMVVLLII
5941	13	6147	MCLGRMGASSPSPPEPVGPAPGLPFCGGSLLAVVVLALPVA WGQCNAPBW\LPFARPTNLTDREFFPIGTLYLNYECPGYSGRPF SII CLKNSVWTCADRCKRKS CRNPPDPVNGMVHVIKGIQPGSQ IKYSCTKGYRLIGSSSATCIISGDTIVWNETPICDRIPCGLPP TITNGDFISTNRENPHYGSVVTYRCNPGSGGRKVFELVGEPSIY CTSNDDQVGIWSGPAPQCIIPNKCTPPNVENGILVSDNRSLSL NEVVFRCPQPGFVMKGPERRVKQALNKWEPELPSCSRVCQPPPD VLHAERTORDKDNFSPGQEVFYSCBPGYDLRGAASMRCTPQGDW SPAAPTCEVKS CDDFMGQLLNGRVLFPVNLQLGAKVDVFCDEGF QLKGSASASYCVLAGMESLWNSVVPVCBQIFCPSPPVI\NGRHTG KPLEVFPFGKAVNYTCDDPHDRGTSFDLIGESTIRCTSDPQNG VNSSPAPRCGILGHCAQPDHFLFAKLKTQTNASDFFIGTSLKYE CRPEYYGRPFSTICLDNLVWSSPKDVCKRKSCKTTPDPVNGMVH VITDIQVGSRIYNSCTTGRLIGHSSAECILSGNAHWSKTPPI CORIPCGLPPTIANGDFISTNRENPHYGSVVTYRCNPGSGGRKV FELVGEPSIYCTSNDDQVGIWSGPAPQCIIPNKCTPPNVENGIL VSDNRSLSLSLNEVVFRCPQPGFVMKGPERRVKQALNKWEPELPS CSRVCQPPPDVLHAERTORDKDNFSPGQEVFYSCBPGYDLRGAASMRCTPQGDWSPAAPTCEVKS CDDFMGQLLNGRVLFPVNLQLGA KVDVFCDEGFQLKGSASASYCVLAGMESLWNSVVPVCBQIFCPS PVPINGRHTGKPLEVFPFGKAVNYTCDDPHDRGTSFDLIGESTI RCTSDPQNGVNSSPAPRCGILGHCAQPDHFLFAKLKTQTNASD FPIGTSLKYECPREYYGRPFSTICLDNLVWSSPKDVCKRKSCKT PDPVNGMVHVIDIQVGSRIYNSCTTGRLIGHSSAECILSGN TAHWSTKPPICQRI PCGLPPTIANGDFISTNRENPHYGSVVTYR CNLGSRGKVFELVGEPSIYCTSNDDQVGIWSGPAPQCIIPNKCT PPNVENGILVSDNRSLSLSLNEVVFRCPQPGFVMKGPERRVKQAL NKWEPELPSCSRVCQPPPEILHGEHTPSHODNFSPGQEVYSCBPGYDLRGAASLHCTPQGDWSPAAPCAVKS CDDFLGQLPHGRV LFPLNLQLGAKVSFVCEGFRLKGSVSHCVLVGMRSLSLWNSVP VCEHIFCPNPPAILNGRHTGTPSGDI PYGKEISYTCDDPHDRGM

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			<p>TFNLIGESTIRCTSDPHNGVWSSPAPRCESVRAGHCKTPEQF PFASPTIPINDFEFPVGTSLNYECRPGYFGKMFISCLLENLWVS SVEDNCRKRS CGPPPEPFNGMVHINTDTQFGSTVNYSCNEGFR IGSPSTTCLVSGNNVTWDDKAPICEIISCBPPPTISNGDFYSNN RTSPHNGTVVTVYQCHTGPDEBQLFELVGERSIYCTSKDDQVGVW SSPPPRCISTNKCTAPEVENAIRVPGNRSFSLTEIIRFCOPG FVMVGSHTVQCQTNGRWGPKLPHCSRVCQPPPEILHGEHTLSHQ DNFSPGQEVFYSCEPSYDLRGAASLHCTPQGDWSPEAPRCTVKS CDDFLGQLPHGRVLLPLNLQLGAKVSFVCDGFRLKGRSASHCV LAGMKALWNSSVPVCEQIFCPNPPAILNGRHTGTPLGDI PYGKE VSYTCDPHDRGMTFNLIGESTIRRTSEPHGNGVWSSPAPRCES PVGAACPHPPKIQNGHYIGGHVSLYLPGMTISYTCDFGYLLVGK GPIFCTDQGIWSQLDHYCKEVNCSFPLFMNGISKLEMKKVYHY GDYVTLKCEBDGYTLEGSFWSQCCQADDRWDPLAKCTSRTHDALI VGTLSGTIFFILLIIFLSWII LKHKGNNAHENPKEVAIHLHSQ GGSSVHPTLQTNENSRVLP</p>
5942	4509	688	<p>YLYVRMRANPLAYGISHKAYQIDPPL\RKHREQ\LVIE\VGRKL DK\AQMIRFEERTGYFSSTDLGRASHYIKYNTIETPNEFLDA HKTEGDI FAIVSKAEZFDQIKVREEEIBELDTLLSNFCRLSTPG GVENSYGKINILLQTYINRGEMDSFSLISDSAYVAQNAARIVRA LFEIALRKRWPTMTYRLLNLKSKAIDKRLNGWASPLRQFSILPPH MLTRLEEKLTVDKLDKMRKDEIGHILHHVNI GLKVKQCVHQIP SVMMEAFIQPI TRTVLRVTLSIYADFTNNDQVHGTVGBPWIIWV EDPTNDHIYHSEYFLAKKKQVISKBAQLLVFTIPIFEPLPSQYY IRAVSDRWLGARAVCI INPQHLILPERHPPHTELLDLQPLPITA LGCKAYEALYNFSHPNPVQTQI FHTLYHTDCNVILGAPTGSXGT VAAELAI FRVFNKYPTSKAVYIAPLKALVREEMDDWKVRIEKL GKKVIELTGDVTPDKSIADLIVTTPEKWDGVSRSQNRNYV QQVTILII DEIHLGEEERGVPLEVTVSRNTNFISSTHTEKPVIRVG LSTALANARDLADWLNIKQMGLENFRPSVRPVPLEVHIQGFPGQ HYCPRMASMNKPAFOAIRSHSPAKPVLI FVSSRRQTRITALELI AFLATEEDPKOWLNMDEREMENIATVRDSNLKLTAFGIGMH AGLHERDRKTVEELPVNCKVQV\IATSTLAWGVNFPALV I IKG TEYYDGKTRRYVDFTITDVLQMMGRAGRPOFDDQGKAVILVHDI KKDFYKKFLYEPFPVBESSLLGVLSLHNAETAGOTITSKQDALD YITWTYFFRRLIMNPSYYNLGDVSHDSVNKFLSHLIEKSLIELE LSYCIHIGEDNRSIEPLTYGRIASYYLKHQTVKMFDRILKPEC STBELLSILSDAEYTDLPVRHNEHNMSELAKCLPIESNPHSF DSPHTKAHLIIQAHL SRAMLPCPDYDTDTKTVLQALRVQAML DVAANQGWLVTVLNTNLQMVITQGRWLKDSLLTLPNIENHHL HLFKWKPI MKGPHARGRTSIECLPELIHACGGKDHVFSMVBES ELHAARTKQAWNFLSHLPEINVGISVKGSDDLVEGHNELSVST LTADKDDNKWIKLHADQEVYLVQVSLQRVHFGPHKGPESCAVT PRFPKSKDEGWFLILGEVDKRELI ALKRVGYIRNHHVASLSFYT PEIPGRYIYTLFMSDCYLGLDQQYD/NLSQRYTSESYCTGQHQ GL</p>
5943	1	2274	<p>DKPTRHKTYLSSSWAKMAAAGPVGDGELWQTNLPNHVVFLRLR EGLKNQSPTRAEPASSSLPSSPPQLLTRNVVFGGLGELFLWD GEDSSFLVVRLRGPGCG\BEPALSQYORLLCINPPLPEIYQVL LSPTQHHVALIGTKGLMVLELPKRWGNSEFEGGKSTVNCSTTP VAERFPTSSTSLTKHAAWYPSRI LDPHVVLTSNDVIRIYSLR EPQTPTNVILSEABEESVLNKGRAVYASLGETAFAVDFGPLA AVPKTLFGQNGKDEVVAYPLYLYENGETFLTYSLLHSPGN/I WKAVGSIAHAS\AADBNYGYDAVLCPCVPNIIIVATESGML YHCVVLEGEERDDHTSEKSWDSRIDLIPSLYVFECELELAKL ASGEDDPFSDSPCPVKLHRDPKPSRYHCTHEAGVHVSGLTWI HKLHKFLGSDREDDKSLQELSTEQKCFVEHILCTKPLPCRQAP IRGFWIVPDILGPTMICITSTYECIWPPLSTVHPASPFLCTR EDVEVAESPLRVLAETPDSFEKHRSILQRSVANAPFLKASEKD IAPPPEBCIQLLSRATQVFREQYI LKQDLAKEIQRVVKLLCDQ KKQQLDLSYCEERKSLREMAERLADKYEAKKEKQEDIMNRMK</p>

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			KLHSPHSELVLSDSREDMKELQLIPDQLRHLGNAIKQVTMK KDYQQQKMEKVLSPKPTIILSAYQRKCIQSILKEEGHIREMV KQINDIRNHVNF
5944	167	3428	FSIATFTDEPEVLTEPPSATTITTTIGISATWITLAGSHGKRNT ITTTSSKRKNRKNKITPENQVLIIPDDPLPISYSQPEKVNESKS SSTSESGSDSNMRISSCSDSSESNSSSRKSDNHSAPVVTITVSS KKQPSVLVTFPKEEKSVSGKASIKLSETISBGTNSLSTCTKS GPSPLSSPNGLTVASPKRQKREBEGWKEVVRSSKKVSVPTVI SRVIGRGGCININAREFTGAHIDIDKQDKTGDRITIRGGTES TRQATQLINALIKDPDKBIDELIPKNRLKSSANSKIGSSAPT TAANTSLMGIKMTTVALSSTSQTATALTVPASSASTHRTIKNP VN\NVREPGFPVSFF\LAYPPPFAHALLAAQTFQOIRPPRLPMT HFGGTFFPAQSTWGPFPVRPLSPARATNSPKPHMVPRHNSQNS GSQVNSAGSLTSSPTITTTSSASTVPGTSTNGSPSSPSVRRQLF VTUVKTSNATITTTTASNNNTAPTATYPMPTAKEHYPVSSP SSPSPPAQPGGVSRNSPLDCGSASPNKVASSSEQAGSPFVET TNTRPPNSSSSSGSSSAHSNQPPGVSQBPRLPQQSQVPP EVRMTVPPLATSSAPVAVPSTAPVTYPMPTQPMGCPQPTPKMET PAIRPPPHGTTAPHKNSASVQNSVAVLSVNHKRPHSVPSSVQ LPSTLSTQSAQNSVHPANKPIAPNFSAPLPFGPFTLFENSPT SAHAFWGGSVVSSQSTPESMLSGKSSYLNSDPLHQSDTSKAPG FRPPLQRPAPSPSGIVNMDSPYGSVTPSSSTHLGNFASNISGGQM YGGAPILGGAPAAANFNQHFSPLSLTPCSSASNDSSAQSVSS GVRAPSPAPSSVPLGSEKPSNVSDQRKVVPVIGTERSARIRQTG TSAPSVIGSNLSTVGHSGIWSFEGIGGNQDKVDWCNPGMGNPM IHRPMSDPGVFSQHQAMERDSTGIVTPSGTFHOHVPAGYMDFPK VGMPPFSVYGNAMIPPVAPIPDGAGGPIFNGPHAADPSWNSLIK MVSSSTENNQPOTVWTGPWAPHMNSVHMNQLG
5945	1461	197	GVTHLPLFGKRKLNGIAEDLKGADFFLLVSEAVVATGSPRA WLTCLILPLPGIIPSVLPKAMSRPLLITPTPATDPSDLWKDQOQ QPQPEKPESTLOGAARAFYRALIGDESSAPDSQRSQTEPARER KRKKRRIMKAPAAABAAGASGRHCGRELEAEDKMTIRILRAA QEGDLPELRRLLEPHEAGGAGGNINARDAFWWTPLMCAARAGQG AAVSYLLGRGAAWGVCELSGRDAAQLAEAGFPEVARMVRBSH GETRSPENRSPTPSLQYCENDTHFQDSNHRSTAEHLSLSQGP QPNLPLGVPISSPGFKLLRGGWEPGMGLGPRGEGRANPIPTV LKRDOEGLGYRSAPQPRVTHFAWDTRAVAGRE\TPPRVATLSW REERRRRE\KDRAWERDLRTYMNLEF
5946	541	1666	ILGSYSSIQPEEYS\SVVC\EVVLQDQLA\YVSPK\HSYLRDLF SEGSPQRVNSIDFV\EL\EHLQPDVLVHAVLRVVDFTILTAV YSYRQKQKKVMTVEQAQDQHYALVLWGPGRAW\YQQLQRKKG YIWEFKYLFVQCNYTLENLELHTTPWSSCECLFDDDIRAITFKA KFQKSAPSFVKISDLATHLEDKCSGVVLIKAQISKLAPPITASQ KIALNAHSSLKSIPSSLPNTVYTGCACGLKLETDENRIYKQCF SCLPFTMKKIYYRPAALMTAIDGRHDVCIRVESKLEKILNISA DCLNRVIVPSSRYTYGMVVDLHLSLLAVSABPCVLKIQSLFVL DENSYPLOQDFSLDDFYDIPDKHGANARL
5947	3	1317	RGIPDRRRRGPIGRVNMDELNVKVMGLGHEQSGAPCLCKCKE CEGPELHFWRKICRNC\NVAKSM/TVLLSNREDRVGKLFEDT KYTTLIAKLKSDGIPMYKRNVMILTNFVAACKNVSINTVITYENA PPVQNOALARQYQMMLPKEKQPVAGSEGAQYRKKQLAKQLPAHD QDPSKCHELSPREVKRMBQFVKYKSEALGVGDVKLPCEMDAQG PKQMNIPGGDRSTPAAVGAMEDKSAEHKRTQYSCYCKLSMKEG DPAIYAERAGYDKLWHPACFVCTCHELLVDMIFYFWNKELCYG RHYCDEKPRCAGCELI\FSNEYTQAEONWHLKHFCCEDCDSI LAGEIYVMVNDKPVCKPCYVKNHAVVCQCHNAIDPEVQRTYN NFSWHAETECFLCSCCSKCLIGOKFMPVEGMVFCVBECKRMS
5948	39	3370	YRERYPVSGGSVLSALEVCNDFLSGLTEGSLLEPGOFFSGPIDQ GNHYQMRRKGRCHRGSAARHPSSPCSVKHSPTRETLTYAQAQRM VEIETEGRLHRISIFDPLEIILEODLTAQEMSECNSENKNSERP PVCILTRKHKNRVRVKKNEALPSAHTPASASALPSPKVRIVEY

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			<p>SPPSAPRRPPVYKFKIEKSABEILDNEVEYDMDEEDYANLEIVNE KRKGDGCVPAVSQSMFEFLMDRFEKESHENQKQGEQQSLIDBDA VCCI CMDGECQNSNVILFCDMCNLAVHQECYGVPIPEGQWLC/ RAHCLQSRARPADCVLCPNKGGAFKKTDDDRNGHV\VCALW\IP E\VG FANTVFIEPIDGVRNIPPARWKLTCNLCKEKGKRG/VGACI QCHKANCYTAHVTCQAQKAGLYMKMBPVKELTGGGTTFSVRKTA YCDVHTPPGCTRRPLNIYGDVEMKNGVCRKESSVKTVRSTSKVR KKAKKAKKALAEPCAVLPTVCAPYIPQRLNRIANQVAIQRRKQ FVERAHSYWLKRLSRNGAPLLRRLQSSLSQSRSSQORENDEEM KAAKEKLYWQRLRHDLERARLLIELLRKREKLKREQVKVEQVA MELRLTPLTVLLRSVLDQLQDKDPARIFAQPVSLKEVPDYLDHI KHPMDFATMRKRLEAQGYKNLHEFEEDFDLIIDNCMKYNARDTV FYRAAVRLRDQGGVLRQARREVD SIGLEBASGMHLPERPAAAP RRPFSWEDVDRLDPANRAHIGLEEQLRELLDMLDLTCAMKSSG SRSKRAKLLKKEIALLRNKLSSQHSQPLPTGPGLEGFEEDGAAL GPEAGEEVLPRLETLQPRKRSRSTCGDSEVEEESPGKRLDAGL TNGFGGARSEQEPGGGLGRKATPRRRCASESSISSNSPLCDSS FNAPKCGRGKPALVRRHTLEDRELSLSCIENGYAKAARIAAEV QSSMWISTDAAASVLEPLKVVWAKCSGYPSYPALIIDPKMPRV PGHNGVTIPAPPLDVLKIGEHMQTKSDEKLFVLFFDNKRSWQ WLPKSKMVPLGIDETIDKLKMMEGRNSSIRKAVRIAFDRAMNHL SRVHGEPTSDLSDDID</p>
5949	39	3370	<p>YRRYPVSGGSLRSALFVCNDFLSGLTEGSLLEGGFFSGPIDQ GMHYQMRKGRCHRGSAAREBSPSCSVKHSPTRETLTYAQARM VEIBIEGRHLRHSIFDPLBIILEDDDLTAQEMSECNSENKENSERP PVCLRTKRHKNNRVKKNEALPSAHGTPASASALPEPKVRIV3Y SPPSAPRRPPVYKFKIEKSABEILDNEVEYDMDEEDYANLEIVNE KRKGDGCVPAVSQSMFEFLMDRFEKESHENQKQGEQQSLIDBDA VCCI CMDGECQNSNVILFCDMCNLAVHQECYGVPIPEGQWLC/ RAHCLQSRARPADCVLCPNKGGAFKKTDDDRNGHV\VCALW\IP E\VG FANTVFIEPIDGVRNIPPARWKLTCNLCKEKGKRG/VGACI QCHKANCYTAHVTCQAQKAGLYMKMBPVKELTGGGTTFSVRKTA YCDVHTPPGCTRRPLNIYGDVEMKNGVCRKESSVKTVRSTSKVR KKAKKAKKALAEPCAVLPTVCAPYIPQRLNRIANQVAIQRRKQ FVERAHSYWLKRLSRNGAPLLRRLQSSLSQSRSSQORENDEEM KAAKEKLYWQRLRHDLERARLLIELLRKREKLKREQVKVEQVA MELRLTPLTVLLRSVLDQLQDKDPARIFAQPVSLKEVPDYLDHI KHPMDFATMRKRLEAQGYKNLHEFEEDFDLIIDNCMKYNARDTV FYRAAVRLRDQGGVLRQARREVD SIGLEBASGMHLPERPAAAP RRPFSWEDVDRLDPANRAHIGLEEQLRELLDMLDLTCAMKSSG SRSKRAKLLKKEIALLRNKLSSQHSQPLPTGPGLEGFEEDGAAL GPEAGEEVLPRLETLQPRKRSRSTCGDSEVEEESPGKRLDAGL TNGFGGARSEQEPGGGLGRKATPRRRCASESSISSNSPLCDSS FNAPKCGRGKPALVRRHTLEDRELSLSCIENGYAKAARIAAEV QSSMWISTDAAASVLEPLKVVWAKCSGYPSYPALIIDPKMPRV PGHNGVTIPAPPLDVLKIGEHMQTKSDEKLFVLFFDNKRSWQ WLPKSKMVPLGIDETIDKLKMMEGRNSSIRKAVRIAFDRAMNHL SRVHGEPTSDLSDDID</p>
5950	1166	373	<p>BSRSITMSTSQGACPCQGAASRPAILYALLSSSLKAVPRPSR CLCRQHRPVQLCAHRTCREALDVLAKTVAFLRNLPSPWQLPPQ DQRRLQGCWGPLFLGLAQDAVTFEVAEAPVPSILKILLERP SSSGSGQLPDRPQPSLAAVQWLQCCLLESFWSLELSPKE\YACL KGPILFNPDPVPGQAASHIGHLQEAHWVLCVLEPWCFAAQGR LTVLLTASTLKSIPSTSLGDLFFRP IIGDVDIAGLLGDMLLLR WNVKSPLLVLVQLFKFSDEKEHEQNDSTSGKTGETGVEMIAIRK VEQDSKETVKLSHEDDHILEDAGSSDISSDACTNPNKTENSLV GLPSCVDEVTECNLELKDITMGDIADKTENTLERNKIETPLGYCEDA ESNRQLESTEFNKSNLVVDVTSFGPESNILENAICDVPDQNSK QLNAIESTKIESHETANLQDDRNSQSSSVSYLESKSVKSKHTKP VIHSKQNMITDAPKKIVAAKYEVIIHSKTKVNVKSVKRNTPVPS QQNPHRPVKRKKQIDKEPKIQSCNSGVKSVKNQAHSVLAKKTLQ</p>
5951	143	5449	<p>BSRSITMSTSQGACPCQGAASRPAILYALLSSSLKAVPRPSR CLCRQHRPVQLCAHRTCREALDVLAKTVAFLRNLPSPWQLPPQ DQRRLQGCWGPLFLGLAQDAVTFEVAEAPVPSILKILLERP SSSGSGQLPDRPQPSLAAVQWLQCCLLESFWSLELSPKE\YACL KGPILFNPDPVPGQAASHIGHLQEAHWVLCVLEPWCFAAQGR LTVLLTASTLKSIPSTSLGDLFFRP IIGDVDIAGLLGDMLLLR WNVKSPLLVLVQLFKFSDEKEHEQNDSTSGKTGETGVEMIAIRK VEQDSKETVKLSHEDDHILEDAGSSDISSDACTNPNKTENSLV GLPSCVDEVTECNLELKDITMGDIADKTENTLERNKIETPLGYCEDA ESNRQLESTEFNKSNLVVDVTSFGPESNILENAICDVPDQNSK QLNAIESTKIESHETANLQDDRNSQSSSVSYLESKSVKSKHTKP VIHSKQNMITDAPKKIVAAKYEVIIHSKTKVNVKSVKRNTPVPS QQNPHRPVKRKKQIDKEPKIQSCNSGVKSVKNQAHSVLAKKTLQ</p>

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			<p> DQTLVQIPKPLTHSLSDKSHAHPCCLKEPHHPAQTCGHVSHSSQK QCHKPQQQAPAMKTNHSHVKEELEHPGVEHFKEEDKLKLPKEKN LQPRQRRSSKSPSLDEPPLFIPDNIAITIRREGSDHSSSFESKYM WTPSKQCGFCCKPHGNRFMVGCGRCDWPHGDCVGLSLSQAQOM GEEDKEYVCVKCAEDKKTEILDPTLENQATVEPHSGDKTME CEKLGSLSKHTTNDRTKYIDDTVKHKVKILKRESGEGRNSSDCRD NEIKWQIAPLRKMGQPVLPSSSEKSEKIPKESTTVCTGEEK ASKPGTHEKQRMKKKIV\EKGVLVNHPAASASKPSADQIRQSVR HSLKDILMKRLTDSNLKVPREKAAKVATKIEKELFSPFRDIDAK YKNKYRSLMFNLKDPKNILPKVLKGEVTPDHLIRMSPEELAS KELAARRRRENHTIEMIEKQREVERRPITKITHKGEIETESD APMKQBAAAMEIQBPAANKSLKXPEGSEK\RXREVDSSMSKDTTS QHROHLFDLNCCKICIGRMAPPVDDLSPKKVKVVGVARKHSDNE AESIADALSSTSNILASEFFBEKKQSPKST?SPAPRPEMPGT EVSTFLARLNFPIWKGFINMPSVAKFVTKAY?VSGSPYLTEDL PDSIQVGGRIISPQTVWDYVEKIKASGTKEICVVRFTPTVEDQI SYTLLPAYFSSRKRYGVAANNKQVKDMYLIPLGATDKIPHPLV PPDGPGLEBLHRPNLLGLIIRQLKRRQHSACASTSHIAETPESA PPIALPPDKKSKIEVSTEAPBEENDFFNSFTTVLHKQRNKPQO NLQEDLPTAVEPLMEVTKQEPKPLRFLPGVLIGWENQPTTLBL ANKPLPVDDILQSLIGTGGVYDQ\AQSVMEQNTVKEIIPFLNEQ TNSKIBKTDNVEVTDGKNKIKVKVDNISESTDKSAHETSUVG SSSISAGSLTSLSLRGKPPDVSTEAFLTNLSIQSKQETVESKE KTLKRLQEDQENNLQDNQTSNNSPCRSNVGKGNIDGNVSCSEN IAVANTARSPQFINLKRDPRAAGRSQFVTTSESKDGDSCRNGEK HMLPGLSHNKEHLTEQINVEEKLCSAEKNSCVQQSDNLKVAQNS PSVENIQTSQAEQAKPLQEDILMONIETVHPFRGSAVATSHFE VGNTCPSEFPKSKITFTSRSTSPRTSTNPSMPRPOQPNLOHLKS SPPGFPFPFPNFPQSMFGFPFHLPPPLPPPGFG\FA\QNP VPWFPPV\HLP\GQPMGGLSQAASRYIGPQNFYQVKDIRRPE RRHSDPWGRDQQLDRPPNRGKGDQRFYSDSHHLKRERHEKE WEQESERHRRDRSQDKDRKSRREGHKDKERARLSHGDRGTD GKASRDSRNVDKPKPKSEDEYBKDKEREKSKHREGEKDRDRYH KDRDHTDRTKSKR </p>
5952	3226	639	<p> PPARRARDLPRALSMEARPSSGWNALCRLL\LVTL\AFLIF ASDACKNVTLHVPKSLDAEKLVGVRNLKECFATANLIHSSDDPF QILEDGSVYTTNTILLSSEKRSFTILLSNTENQEKKKIFVFLKH QTKVLKKRHTKEKVLRRARRWAPIPCSMLENSLGPFLFLQOV QSDTAQNYTIIYSIRSGVDQEPNLFYVERDTGNLYCTRPVDR BQYESFRIIATFATPDGVTPELPLPIKIEDENDNYPIPTET YTFIIFENCVRGTTVGVCATDKDEBDTMTLTKYSIIGQVPPS PTLPSMHPTTGVIITTSQDLRELIDKYQLKIKVQDMGQYFGL QTTSTCIINIDVDNHLPTFTRTSYVTSVEENTVDVILRVTV DKDLVNTANWRANYTILKGNENGFKIVTDAKTNEGVLGVVVKPL NYEKKQMILOIGVVRAPFSREASPRSAMSTATVTNVNVEDQDE GPECNPIQTVRMKENAEVGTTSNGYKAYDPETRSSSGIRYKKL TDPTGHWITIDENGTGSIKVFSLDREAETIKNGIYNITVLASDQ GRTCTGLGIILOVDNNSPFIKKTIVICKPTMSSAEIVAVDP DEPIHGPPFDLSLESSTSEVQRMWRLKAINDTAARLSYQNDPPF GSYVVPITVRDLGMSVTSILDVTLCDCTENDCTHRVDPRIIG GGVCLGKNAILAILLGIALFFCILFTLVCGASGTSKOPKVIDD LAQONLIVSNTRAPGDDKVYSANGFTTQTVGASAGVCGTVGSG IKNGGQETIEMVRGGHQTSESCRGAGHHHTLDSCRGGHTEVDNC RYTYSEWHSFTQPLGEESIRGHTLIK </p>
5953	330	811	<p> PLLCNPDGWWYVVKQSEISKESQEMDARPKLDLGFKEGQTTIK LCIGNITNKKGGASKPRTAGGGLSLPPPPGKVTIPPPSS/V KLPSTNHVTPPSIPKSNHGGSDADILLDLSDPAPVTPAPTPTS VSNLWGDFTASSSVPNQAPQPSNWWQF </p>
5954	32	2130	<p> PPKPPPKLANMADLEAVLADVSYLMAKSKATPAARASKRIVL PEPISRSVMQKYLARNEITFDKIFNOKIGFLFKDFCLNEINE AVQVKFYEBIKBYEKLDNEDRLCRSRQIYDAYIMKELSCSH </p>

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			PFSKQAVEHVQSHLSKKQVSTLFPQYIETICESLRGDIPOKFM ESDKFTRPCQWKNVELNIHLTMNEFSVHRIIGRGGPEVYGCRR ADTGKMYAMKCLNKKRIKMKQGETLAINERIMLSLVSTGDCPFI VCMTYAFHTPDKLCFILDLMMGGDLHYHLSQHGVSSEKEMRFYA TEILGLEHMHNRVYVYRDLKPANILLDEHGHARIS\DLGLACD FSKKKPHASVGTGMYAPEVLQKGTAYDSSADWFSLGCMLEFKLL RGHSPPFRQHKTKDKHEIDRMTLTNVNVELPDTFSPELKSLEGLL QRDVSKRGLGCHGGGSGQEVKHSFFKGVQWQHVYLQKYPPLIPP RGEVNAADAFDIFSDEEDTKGILKLDLDCQELYKNFPLVISERW QQEVTETVYEAVNADTDKIEARKRAKNKQLGHEEDYALGKDCIM HGYMLKLGNPFLTQWQRRYFYLPFNRLWRGECESRQNLMTMBQ ILSVRETQIKDKKCILFKIKGGKQFVLQCESDPEFVQWKELNE TFKEAQRLLRRAPKFLNKPRTGTVELPKPSLCHRNENGL
5955	1726	444	KREREPRLAVCLPYPSAYESSPGTELRECGLCRSGQRFADCR PANRQDVLGWINLEVLQTKDPLKTPGRLDHGTRTAFIHRREQ VWKRGINIWRDVLGVLGVLNETIANSEEEVFEWVKTAGMALALCR WASSLHGSLFPHLSLRSEDLIAEFAQVTNWSSCCLRVFAWHPH NKFAVALDDSVRVYNASTIVPSLKHRLQRNVASLAWKPLSAS VLAVACQSCILEWTLDPSTLSTRPSEGGCAQVLSHPGHTPVTSLA WAPSGGRLLSASPVDAAIRVNDVSTETCVPLPWFRGGGVNLLW SPDGSKILATTPSAVFRVWEAQMTCEBWFTLSGRQQTGCWSPD GSRLLFTVLGEPLIYSLSPPERCGEGK\ALEVQSQORLWQICL RQYRHMVRRGLGERLTPWSGTPVGNVWLCL
5956	1705	139	GVGVRGARAMATVQEKAAALNLSALHSPAHRPPGFSVAQRPPGA TYVNSSIINTLQTVQVVKRRRHLKRHNDGCFVGEAVDVIFSHL IQNKYFGDVIDIPRAKVVRVCQALMDYKVFVAVPTKVFGDKKPT FEDSSCSLYRFTTIPNQDSQLGKENKLYSPARYADALFKSSDIR SASLEDLWENLSLKPANSHPVNISATLSQVINEVWQEEITIGRL LQLVDLPLLDLSLLKQEAVPKTPQPKRQSTMVNSSNYLDRCILK AYSDSQDEWLSAAIDCSEYLPDQMVVVISRSFPEQPDRTDLVK ELLFDAIGRYSSREPLNLHLSDVHNGIAELLVNGKTEIALBAT QLLLKLLDPQNRREPRRLLYPMAVAANPSEFKLQKESDNRMVVK RIFSKAIVDNKNLSKGTDLVLVFL\MDHQKDVFKIPGTL\HKI VS\VK\LMAIQNGRDPNRDAGYIYQRIQDRDYSNNTKTTKDE LLNLLKTLDEDSKLSAKEKKK\LLGQFYKCHPDIFIEHFGD
5957	1479	451	ELQVAVAMDTLDEVVKPKTKRAKRELEKREPKLNENIKNAMLIK GGANATVTKVLKDVYALKKPYGVLYKKKNITRPFEDQTSLEFF SKKSDCSLPMFGSHNKKRPNNLVIGRMYDYHVLDMIELGIBNF SLKDIKNSKCPGKTPMLIFAGDDFDVTEYRRLKSLLLIDFPRG PTVSNIRLAGLEYVLHFTALNGKIYFRSYKLLKSKSGCRTPRIE LEEMGPSLDLVLRRTHLASDLYKLSMKMPKALKPKKKKNI SHD TPTGTYGRIHMQQDLSKIQTRKM\KGLKKRPAERITEDHEKKK KRKKKLMELSQPLLPHCVLLKRIKHQSIQSFL
5958	1	3138	AAALGMLLNFPACQAFNLDEKLTVYSGPKGSYFGYAVDFHID ARTASVLVGAPKANTSQPDIVEGGAVYVCPWPAEGSAQCRQIPF DTTNNRKIRVNGTKEPIRPSKNQWFG\ATVKA\HKGKSCGFVAP LLFTWRNFKPTPEKGPVGTCTYVAIQNFSAYAEFSPCGNSNADP EGQCYCQAGFSLDFYKNGDLIVGGPGSFYWGQVITASVADI IA NYSFRDILRLAGRKQTEVAPASYDDSYLGYSVAAAGEFTGDSQQ ELVAGIPRGAQNPYVSINSYDMTFIQNFTGEQMASYFGYTVV VSDVNSDGLDDVLVGAPLPMEREFESNPREVGQIYLYLQVSSLL FRDPQILITGTETPGRFGSAMAHLDGLNQDGYNDIAIGVPFAGKD QRGKVLIIYNGKDGINTKPPKFCQGVNASHAVPSGFGFTLRGD SDIDKNDYDPLIVGAPGTGKVAVYRARPVVTVDQQLLHPMI IN LENKTCQVPDSMTSAAFCPSLRVCASVTCQSIANTIVLMAEVQLD SLKQKGAIKRTFLDNHQAHRVPLVIRKQKSHQCDPIVYLRD ETFRDKLSPINISLNTSLDESTFKEGLEVKPIILNYYRENTVSE QAHILVDCGEDNLCVPLKLSARPDKHQVIIGDENHMLI INAR NEGEGAYEARLFVMIPEADYVGIERNKGFRLSCETKMNVT RMVVCDLGNFMVSGTNYSLGLRFAVPRLEXTNMSINFDLQIRSS NKDNPSDFVSLQINTTAVAQVEIRGVSHPPQIVLPINHWPEER

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			EPHKEEFVGPLVEHIYELHNIGPSTISDTILEVGWPFPSARDEFL LYIFHIQTLGPLQCCQPNPNINPQDIKPAASPEDTPELSAFLRNS TIPHLVRKRDVHVVEFHRQSPAKILNCTNIECLQISCAVGRLEG GESAVLKVSRLWAHTFLQRKNDPYALASLVSEVKKMPVTDQP AKLPEGSIAIKTSVIWATPNVSFSLPLWVILAILLGLLVLAAIL TLALWKCQGFDRARPPQEDMTDREQLTNDKTPEA
5959	1	1166	GTSGYAAQQLPSLLKEREFLHGLTNKVFASQNLNHRQVVGTKC NTLFFVVDVQTSQITKIPILKDRPEGGVTQCGGTHAIELNPSRT LLATGGDNPNLSAIYRLPTLDPVCGDDCHKDWIPSLAWISDTM AVSSSRDGSMLWEVTDVLTSDARHNVSVPVYAHITHKALK DIPKEDINPDNCKVRALAFNNKNKELGAUSLDGYFHLWKAENTL SKLLSTKLPHYCRENVCLAYGSEWSVYAVGSAHVSPDPQPSY NVKSVCSRERGSIGRSVSPYEHITTVGTGQGSLLFYDIRAQRFL ERRLSACYGSKPRLAGENLKI/TG/KGWLNHDETWRNYFSIDIF PFNAVYTHCYDSSGTLFVAGGFLPSGLHGNAYGLWS
5960	2853	870	FWSDGGFRPRRGPAGAGAAHLSDFWAMTPGTANRATNPINKR LDWASINGFCEQLNEDFEGPPLATRLLAHKIQSPQEWAIQALIT VLETCKMCKGKRFHDEVGKFRFLNELIKVVSPLYGSRSTSEKVK NKILELLYSWTVGLPEEVKIAEAYQMLKKQGLVKSDPKLPDDT TFPLPPPRPKNVIPEDEBKSKMLARILLKSSHPEDLRAANKLIK MVQEDQKRMKISKRVNAIEVNNNNVKLLTEMVMSHSQGGAAAG SSEDL/MKEL/YQRCERMRPTLEPTGRVDTEDND/BALAEILOA NDNLTVQINLYKQVLRGEVNGDATAGSIPGSTSALLDLSGLDL PPAGTTPYAMPTRPGQASPEQPSASVSLDDELMSLGLSDPTP PSGSLDGTGWNFSQSSDATEPPAPALAQAPSMESRPPAQTSLP ASSGLDDLDLLGKTLQQLPPESQVVRWEKQQTTPRLTLRDLO NKSSSCSSPSSSATSLLHTVSPEPPRPQPPVPTSLASITVP LESIKPSNILLPTVVDQHGFRILFHFARDPLPGRSVVLVVVSM LSTAPQPIRNIVFQSAVPKVMKVKLQPPSGTELPAPNPIVHPSA ITQVLLANPQKEKVRRLRYKLTFTMGDQTYNEMGDVDQPPPPET WGLS
5961	198	3147	SGEPRPEPGNMATCIGEKIEDPKVGNLKGKSFAGVYRAESHT GLEVAIKMIDKKAMYKAGMVQVQNEVKIKHQLKHPISILELYN FEDSNVYVVLVLEMCHEGEMNRYLKRVKPFSENEARHFHQIIT CMLYLHSHGILHRDLTSLNLLTRNMNRIADPGLATQLEMPHE KHYTLGCTPNYISPETATRSAGLESVDVSLGCMFTLLIGRPP FDTDTVKNTLNKVVLDYEMPTFLSIRAKDLIHQLLRNPADRL SLSSVLDHPPMSRNSSTKSKDLGTVEDSIDSGHATISTAITASS STSISGSLFDKRRLLIGQPLPNKMTVPKKNKSTDFSSSGDGNS FYTQWGNQETSNSGRGRVQDAERPHSRYLRRAYSSDRSGTNS SQSQAKTYTMRCHSAEMLSVSKRSGGKNEERYSPTONNANIF NFFKEKTSSSSCSFERPDNNQALSNIHLCPGKTPFPADPTPQTE TVQWFGNLQINAHLRKTTTEYDSISPNRDFQCHPDLOKTSKNA WTDTRVKKNSDASDNAHSVQONTMKTALHSKPBIQQECVF GSDPLSEQSKTRGMSPPWGYQNRTLRSITSPLVAHRLKPIRQKT KKAVVSLDSEVVCVELVKEYASQETVKEVLQISSDGNITTIYY PNGG/RGFPLA/DRPPSP/DNISR/YSP/DNLPEKYWRKYQYA SRFVQLVRSKSPKITYFTRYAKCILMENSFGADFEVNFYDGVKI HCTEDFIQVIEKTKSYTLKSESVNSLKEEIKMYMDHANRGRH ICLALESIIISERERKTRSAFPFPIIGRKPGSTSSPKALSPPPS VDSNYPTRDRASFNRMMHSAASPTQAPILNPSMVTNEGLQLET TASGTDISSNSLKDCLPKSAQLLKVVFVKNVGNATQ/LTSGAVN VQFNDGSQLVVQAGVSSISYTSFNGQ/TTR/YGENEKLPTYIKQ KLQCLSSILLMPSNTPNPFH
5962	20	2447	RVCSSASTASQAVMADAWERIRRLAADPQRAQFAEATQRLSER NCIEIVNKLIAQKQLEVVHTLDGKRYITPAQISKEMRDELHVRG GRVNIQVLDQVINVDLIHTBNRIGDIIKSEKHQVLVGLQIDEN YLDRLABEVNDKLQESGQVTISELCKTYDLGNFLTQALQORIG RIISGHIDLNRGVIFTEAPVARHKKARIRGLFSAITRPTAVNSL ISKYGFQRLLYSVLEELVNSGRRLGTGVGGRODKAVFVFDIYS RTQSTWVDSFFRONGYLEFDALSRLGIPDAVSIIKERYKTOLL

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			FLKAACVGGQLVDQVBAVBERAISSGTWVDIAPLLPTSLSVEDA AILLQQVMRAFQKQASTVVVSDTVVSEKF\INDCTELPRELMH QKAEMKNNPVHLITERDLKQISTLESVSTSKDKKDERRRKA TEGSGSMRGGGGNAREYKIKKVKKKGRKDDSDDESQSSHTGK KKPEISFMPQDEITDPLRKHQDAPREFISLAELYIKPLNKTY LEVVRVFMSTTSASGTGRKRTIKDLQEEVGNLYNNIRLPEKG MKFFADDTQAALTKHLKSVCTDITNLIFNPLASDLMAVDDPA AITSEIRKKILSKLSEETKVALTKLHNSLNKESIEDFISCLDSA ARACDIMVKRGDKKRERQILFQHRQALAEQLKVTEDPALILHLT SVLLQFPSTHMLHAPGRCPVQIIAFLNSKIPEDQHALLVKYQG LVVKQLVSQSKKTGCGDYPLNNELDKQEDVASTTRKELQELSS SIXDLVLKSRSSVTR
5963	62	1130	PWNPDDFPNGRLMG\QKGETGPP\GQQGKKGAPGMP\GLMGSN GSPGQPGTPGSKGSKGSPGIQGMPCASGLKGPATGSPGEPGY MGLPGIQKRGDKGNQGEKGIQGGKNGRQGIQPGQQGQGHG AKGERGEKGPVGRGAGSGESGVDGLMGPAGPKGQPGDPGQ GPPGLDGKPGREFSEQFIRQVCTDVIRAQLPVLLQSGRIRNCDH CLSQHSGSPIPGPPGPIGPEGPERGLPGLPGRDGVPLVGVPGRP GVRGLKGLPGRNGEKGSGQCGYVPGEGPPGPPGEGPGISKEG PPGDPGLPGRDGHGKPGIQGQPGPPGICDPSLCFSVIARRDPF RKGPNTY
5964	3	2147	SCRTGRISPLQPRBAGSSRGRARSEPPRPGMEEACQVQTTK RGDPHELRNIFLQYASTEVDGERYMTPEDFVQRYLGLYNDPNSN PKIVQLLAGVADQTKDGLISYQEFLEFESVLCAPDSMFIVAQFL FDKSGNGEVTPFNVKIEFGQTIHHHHPNWDCEFIIRLHFCHNR KKHLNYTEFTQFLQELQLEHARQAFALKDKSKSGMISGLDFSDI MVTIRSEMLTFVEENLVSAAGGSIHQVSPSYFNAPNSLLNM ELVRKIYSTLAGTRKDAEVTKEEFAQSAIRYQATPLEIDILYQ LADLYNASGRITLADIERIAPLAEGALPYNLAEQLRQQSPGLGR PIWLQIAESAYRFTLGSVAGAVGATAVYPIDLVKTRMQRGSGG SVVGLMYKNSPDCFKKVLRYEGFFGLYRGLIPQLIGVAPKAI KLTVNDFVRDKFTRRDGSPVLPAEVLAGGCAGGSQVIFTNPLEI VKIRLOVAGBITTGPRVSALNVLRLDGIPLGKAKACFLRDIP FSATYPPVYAHCKILLADENGHVGLNLNLAGAMAG\VPAAALV TPADVITKRLQVAARAGQTTYSGVDCFRKIL\REBGPFAFWKG TAARVFRSSPQPG\VTLVTYELLQRGFYIDFGGLKPGASEPTPK SRIADLPPANPDHIGGYRLATATFAGIENKFGLYLPKPKSPSVA VVOFKAATAATQ
5965	1	1498	MVWLYRFLPTSNMAAKLRSLPPDLRLQFWLHARLQKCFLSRG CGSYCAGAKASPLPGMAMGLMCCRRELLRLQSGRRVHVSAGP SQNLGKPLITRLLFPAAPCCCRPHYLPLAASGPRSLSTSAISFA EVQVQAPPVVAATPSPTAVPEVASGETADVQTAAEQSFALQL GSYTPVGLIQNLLEFHVLDLGLPWGATAACTVFARCLIFPLIV TGQREARIIHNLPEIQFSSRIREKLAGDHIKYYKASSEMAL YQKKGKILYKPLILPVTOAPIFISFFIALREMANLPVPSLQTG GLWHPQDLTVSDPIYILPLAVTATMAVLELGAETGVQSSDLQW MRNVIRMMPLITLPIITMHFTAVFMYLSSNLSLVQVSCLRIP AVRTVLKIPQRVVDLDKLPREGFLESFKKGWKNAMTRQLE REQMRNQLELAARGPLRQTPTENPLLQPGKDNPPNIPSS\SSS SSKPKSKYPWHDITLG
5966	102	1925	RSKQVMARLTQRQADTKAIQHLWAAIEIIRNQKQIANIDRITK YMSRVHGMHPKETTRQLSLAVKDGLIVETLVGCKGSKAGIEQR GYWLPGBEIDWETENHDNYCFRCHLPGEVLI CDLCFRVYHVKCL SDEFRLRSSSPWQCPVCRSIRKKNTNKQEMGTYLRFIVSRMKE RAIDLKKGKDKHMPYRRLVHSAVDVPTIQEKVNEGKYSYRE FKADAQILLHNTVIFYGADSEQADLARMLYKDTCHEL\DELQLC KNCFYLANARDNWFPCYPCIPNHELDWAKMKGFGFWPAKVMQKE DNQVDVRFPGHHQRAWIPSENIQDITVNIHRLHVKRSMGWKA CDELELHQRFLREGRFWKSNNEDRGEERAESSISSTSNEQLKVT QEPRAKGRNRNQSVEPKKEPEPETEAVSSSQEIPTMQPIEKV SVSTQTKKLSASSPMLERSTQTTNDGVCQSMCHDKYTKIFNDF

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5967	102	1925	KDRMKS DHKRRTERV VREALEKLRSEMEERKQAVNKAVANMQG EMDRKCKQVKEKCKEEFVEEIKKLATQHKQLISQTKKKQWCYNC EKEAMVHCCWNTSYCSIKCQEQEHWAHEHRTCRKR RSKQVMARITKRRQADTKATQHLWAATETIRNQRQIANIDRITK YMSRVHGMHPKETTRQLSLAVKDLIVETLTVGCKGSKAGIEQB GYWLPGEIDWETENHDWYCFECHLPGEVLICDLFRVYHSKCL SDEFRLDSSSPWQCPVCRSIIKQNTNKQEMGTYLRFIVSRMKE RAIDLKKGKDKNKHMPYRRLVHSAVDVPTIQEKVNEGKYRSYEB FKADAQLLHNTVIFYGADSEQADIARMLYKDTCHL\DEBLQLC KNCFYLANARPDNWFPCYPCIPNHELDWAKMKGFPGWPAKVMQKE DNQVDVRFPGHHQRAWIPSENIQDITVNIHRLHVKRSKMGWKA CDELRLHQRFLREGRFWKSKNDRGEEAEBSISSTSNBQLKVT QEPRAKGRNRNQSVPEPKKEDEPEPETAUVSSSQBIPTMPQIEKV SVSTQTKKLSASSPRMLHRSQTQTNMGVCQSMCHDKYTKIFNDF KDRMKS DHKRRTERV VREALEKLRSEMEERKQAVNKAVANMQG EMDRKCKQVKEKCKEEFVEEIKKLATQHKQLISQTKKKQWCYNC EKEAMVHCCWNTSYCSIKCQEQEHWAHEHRTCRKR
5968	81	1288	VRFPREGGAPPTVLTGPGQGVLPQPGSEPDIPARGQPHPP RPVGVSTSAQAQVQPPAMERRRLALGLGCLLACTSLSVLWVYL ENWLPVSYVPYYLPCPEIFNMKLHYKREKPLQPVVWSQYQPKL LEHRPTQLLTLPWLAPIVSEGTENPELLQHTYQPLNLTIGVTV PAVGN/HPLESAEEFPFRGVRVHYIIFDNPAAVPGVPLGPHRL LSSPIQGHSHWEETSMMRMETISQHIKRAHREVDYLFCLDVD MVFRNPWGPETLGDVAAIHPSYAVPRQOPPYERRRVSTAFVA DSBGDFYYGGAVFGGQVARVYEPTRGCHMAILADKANGINAAWR EESHLNRHFISNPKSVLSPEYLWDRKPPPSLKLIRFSTLDK DISCLRS
5969	1126	503	DVGFNIKRRCDLVPLESPKPSGRDRAPKQRTIAANKCLC TGVREGEPPS/TTSQKVKAGRDFTYLIIVLFGISITGGIFYTI FKELFSSSSPSKIYGRALBKCRSHPEVIGVFGESVKGYGEVTR GRRQHVRFTEYVKDGLKHTCVKFYIEGSEPGKQGTVAQVKENP GSGEYDFRYIFVEIESYPRTIITIEDNRSQDD
5970	316	4712	SQDNIGHRLLOKHGWKLGQGLGKSLQGRDTPIPVVKYDVGMG RMEMELLDAEDATERRRVLEVEKEDTEKLQKQYKDYVDKEKAI KALEDLRANFYCELCDKQYKHQEFDNHINSYDHAHKQRLKDLK QREPARNVSSRSRKDEKKQKALRRLHRLABORKQABCAPGSGP MPKPTTAVDEEGGEDDKDESATNSGTGATASCGLGSEFSTDKG GPFTAVQITNTTGLAQAPGLASQGISFGIKNNLGTPLQKLGVSF SFAKCAPVKLESIASVFKDHABEGTSEDGTPDEKSSDQGLQKV GDSGSSNLDGKKEDEPDQDGGSLASTLSKLKRMKREGAGATE PEYTHYIPPAHCKVKPNFPFLPMRASEQMDGDNTHPKNAPES KKGSSPKPKSCIKAASQGAETVSEVSEQPKETSMTEPSEPGS KAEAKKALGGDVSDQSLESHSQKVSETQMCESNSSKETSATPA GKESQEGPKHPTCPFFPVLSKDESTALQWPSSELLIFTKAEPSIS YSCNPLYPDFKLSRNKDARTKGTETPKDIGSSSKDHLQGLDPGE PNKSKEVGGEKIVRSSGGRMDAPASGSACGLNKQPGGSHGSE TEDTGRSLPSKKERSGKSHRHKKKKKKSSKHKKRKHADTEEK SSKABSGEKS KKKKKRKKKKNSSAPADSERGPKPEPPGSGSPA PPRRRRRAQDQSRSLPABEGSGGKDEGGGSSSQDHGGRKH KGELPPSSCQRRAGTKRSSRSSHRSQPSGDESDDASSHRLHQ KSPSYSEEEKEDESGSEHSRSRSRSGRRHSSHRSSRSYSSSS DASSDQSCYSRQRSYSDSYSDYSDRSRHSKRSHSDSDSYAS SKHRSKRHKYSSDDYSLSCSQSRSRSRSHTRERSRSGRSRS SSCSRSRSKRRSRSTTAHSWQSRSSYSRDRSRSTRSPSQSGSR KRSWGHESPERRHSGRRDFIRSKIYRSQSPHYFRSGRGEQPGK DDGEGDSDKATGPPSQNSNIGTGRGSEGDSPEDKNSVTAKLL EKIQSRKVERKPSVSEVQATPNKAGPKLKOPPGYFGPKLPPS LGNKPVLP LIGKLPATRKPNKKCESGLRGEQEQSETEBGP GSSDALFGHGF\SEETGFLDPPPEESKSGEVTADHPVAPLG PPAHFDCLGDP TISHNYLDDPDGNTLESLOSSSQGPVSSSL LPAPDLBHFPSYAPPSGDPSIRSTGAKDA\SLAPLESQPTT

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			<p>TPPEMEKYSKIQQAQQHIQQQLLAKQVKAFFASAAALPATPAL QPIHIQQPATASATSIITTVQHALLQHHAATAAIGIHPHPHQ PLAQVHHIQPHLTPIISLSHLTHSII PGHPATPLASHPIHIIPA SAIHGPGFTFHPVPHAAALYPTLLAPRPAATAALHLLHPLHPI FSGDQLQHPPSHGT</p>
5971	53	2149	<p>SFLYFVGVDMDNFIQNDGRFDGVLCSFACVESTILLHINDI I PRESVTQERRPPKLAFFMSRGVGDGSSSHNKPKATGSTSDPGMNR RSELYTTLNGSSVDSQPSKSKNTWYIDEVAEDPAKSLTEISTD FDRSSPPLQFPVNSLTENRFHSLPFSLT/KMPNTNGSIGHSPL SLSAQSVMEELNAPVQESPPLAMPNGSHGLEVGSLEAVKENP PFYGVIRWIGQPPGLNEVLAGLBLEDEBCAG\CTDGT/REGTRY FTCALKKALFVKLKSRCPSDFASLQPVSNQIERCNSLAINWAY LSEVVEENTPTQKWEKGLIMIG\KKGIGQHYNSCYLDSTLF CLFAPSSVLDTVLLRPKEKNDVYYSSETQELLRTIYNPLRIY YVCATKIMKLRKILKVEAASGFTSEKDPPEFLNLPFHILRV EPLLKXRSAGQKQDCYFYQIFMBKNEKVGVPITIQLLWSPIN SNLKFAEAPSCLIIQMFRFGKDFKFKIIPSLRLNITDLEDT PRQCRICGGLAMYECRECYDDPDISAGKIXQFCTCNTQVHLHP KRLNHYKYNPVSLLPKDLPDWDWRHGCIPQNMELFAVLCIETSHY VAFVKYQKDDSAWLFDSMADRDCGGNGFNIPQVTPCPEVGEYL KMSLEDLHSLDSRRIQGCARRLLCDATYVVPCTQ9PTMSLYK</p>
5972	440	1761	<p>ILLAGSPSPRDQCSQRQSSGGDKELVTRGCTFSTAVVSPSAMTO EPFRERLAYDRMPTLRRGRQDPASYAPDAKPSDLQSLRPLPCF SHKTWVFSVLMGSCILVTSGFSLYLGWVFAEMDYLRCAAGSCI PSAIVSTVSRRNANVIPNFQILFVSTFAVTTTCLIWFGCKLV NPSAININFNLI LLLLLELLMAATVI IARSSEEDCKKKGMS DSANILDEVPPARVLKSYSVVBVLAGISAVLGGI IALNVDDSV SGPHLSVTFWILVACFPASATASHVAECNKLVEVLIAISSL TSPLLFASGYLSFSIMRI VEMFKDYPAIKPSYDVLLLLLLV LLLQA/GPQHCHRPVRALQGQCAAGCTLGHPERPAGAPGWGG GQEPPEGVROGESLESRRGANGFVTPRRGNRVAAPSLAPGMETH NP</p>
5973	65	2007	<p>NGDGKDLFGHIWAWRSNGIISNFRSPHAGMAEDEPDAKSPKTG GRAPPGGABAGEPTTLQRLRTISKAVQNKVEGILQDVQKPSD NDKLYLYLQLPSGPTTGDKSSPSTLSENEVMYAYRWIRNHLRE HTDTCPLKQSVYDAYRYKCYSLACCRPLSTANFGKIIREIFPDI KARRLGGRGQSKYCYSGIRKTLVSMPLPLGLDLKGSSEPMGP EVTAPRDELVEAACALTCDAERILKRSFSSIVEVARFLLQOH LISARSAHAHVLCAMGLAEDEHAPRERSKPKNGLENPEGGAH KKPERLAQPPKDLERTAGTGLARGERKKSVESSARGANNLQV NALVARLPLLLPRAPRSIYPIIPVSPPI LAPRLSSGALKVATLP LSSRAGAPPAAPV IINMILPTVPALPGPGPGGRAPPGLTQPR GTENREVGIGDQGPDKGVKRTAEVPVSEAGQAPPAKAKQD IEDTASDAKRKRGRPLKSGSGSGERNSTPLKSAAMESAQSSRL PWETWGS GGEGNSAGGAERPGPMGEAEKGAVALAQ\QGDGTVSK GGRGPGSQHTKEADKIPLVPSKVSVIKGSRSQKEAPFLAKGEV DTAPQGNKDLKEHVLQSSLSQEHKDPKATPP</p>
5974	4293	2200	<p>LGLOMHTTSGRIHQAMVTSINEDNESVTVEWENGDTKKG\RID LESIFSLNP\DL\VPDGETEPSP\ETPPPPASSAKVNKIVKRRR TV\ASIKNDPPS\RDNRVVGSAARPSQFPPEQSSAQNGSV\S DISPVQAAKKEFGPPSRKSNCKVEVRKLOEKREKRRLQOQELR BKRAQDVDAITNPYBIMCMIRDFRGSLDYRPLTTADPIDEHRIC VCVRKRPLNKKRTQMKDLVITIPSKDVVMVHEPKQKVDLTRYL ENQTFRFDYAFDDSAFNMVYRFTARPLVETIFERGMATCFAYG QTGSGKTHTMGGDFSGKNQDCSKGIYALAARDVFLMLKKPNYKK LELQVYATFFEIYSGKVFLLNRKTLRVLEDGKQVQVVGLOE REVKCVEDVLKLDIGNSCRTSGQTSANAHSSRSHAVFQIILRR KGLHCKFSLIDLAGNERGADTSSADRQTRLEGAEINKSLALK ECIRALGRNKPHTPFRASKLTQVLRDSFIGNSRTCMATISPG MASCENTLNTLRYANRVKELTVDPAGDVPRIMHHPNQI\DD LBTQWGVGSSPORDDLKLLCEQNEEVSQPLFTTHEAVSQMVEM</p>

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5975	4293	2200	EEQVVEDHRAVFQESIRWLEDEKALLEMTTEEVVDYDVSATQLE AILEQKIDILTELRLDKVKSFRALQEEQASKQINPKRPRAL LGLQMHTTSGRIHQAMVTSLNEDNESVTVENIENGDTGK\EID LESIFSLNP\DL\VPDGEIEPSP\ETPPPPASSAKVNKIVKNRR TV\ASIKNDPPS\RDNRVVGSAARPSQFPPEQSSAQNGSV\S DISPVQAAKKEFGPPSRKSNCKVEKLEKREKRRLLQOQLR EKRAQDVDAINPNYEIMCMTRDFRGSIDYRPLTTADPIDEHRIC VCVRKRLNKKETQMKDLVDITIPSKDVVMVHEPKQKQVLDLTRYL ENQTFRFDYAFDDSAPEMVRFTARPLVETIFERGMATCFAYG QTGSGKTHMTMGDFSGKNQDCSKGIYALAARDVFLMLKKPNYK LELQVYATFFFIYSGKVFDLNRRKTKLRVLEDEGKQVQVVGLE REVKCVEDVLKLDIGNSCRTSGQTSANAHSSRSRHAVFQILRR EGKLHGKFSLLDLAGNERGADTSSADRTLRLEGAEINKSLLALK ECIRALGRNKPHTPPFRASKLTQVLRDSFIGENSRTCMATISPG HASCENTLNTLRXANRVKELTVDPTAAGDVRFIMHPPNQI\DD LETQWGVGSSPQRDDLKLLCEQNEEVSPQLFTFHEAVSQMVM EEQVVEDHRAVFQESIRWLEDEKALLEMTTEEVVDYDVSATQLE AILEQKIDILTELRLDKVKSFRALQEEQASKQINPKRPRAL
5976	20	2949	VHHLHLTRVSVVNLDIILRIAQQMGIKTLNLVLG\LKRA\LEF PEVSWMEVKDPNMRGAMLTNTGKYAIPITIDA\KAYAIGKKEKPP FLPEPSSSSSEDDPIPELLECLICKDINTDAVVPCCGNSYCD ECIRTALESDEHTCPTCHQNDVSPDALANKFLRQAVNNFRNE TGYYTKRLRKQLSPPPPPIPPRPLIQRLQPLMRSPISRQDDPL MIPVTSSSTHPAPSSISLTSNQSLLAPPVSGNPPSSAPAPVDDIT ATVISVHSEKSDGPFRRSDNKLPAALASEHSGTSSIAITA LMEKGYQVPVLGTPSLGQSLHGLIPTTGPPVINTARPGGG RPGWEHSNKLGYLVSPQQIRRGERSCYRSINRGRHHSERSQRT QGSLPATPVFVPPVPPPLYPPPHTLPLPPGVPPPPQSPQFP GQP\PPAGYSVPPPGFPAPANLSTPWSSGVQTAHSNTIPTTQ APPLSRREFPYEQRLKEEEKKSKLDEFTNDFAKELMEYKKIQ KERRRSFSSKSPYSGSSYSRSTYSKSRSGSTRSRYSRSES RHSRSYSRSPPYPRRGKSRNYSRSRSHGYHRSRSPPYR RYHSRSPQAFRQSPNKRNVPGETEREFNRYREVPPPYDM KAYYGRSVDFRDPFEKERYREWERKYREWKYKGYAAGAQR PSANRENFSPERFPLNIRNSPPTGRREDYVGGQSHRSRNIGS NYPEKLSARDCHNQNTKSKKRSNAPGDGKGNKHKHRKRR KGESEGLNPELLETSRKSREPTGVENKTDLSFVLPSSRDDAT PVRDEPMDABSITFKSVSEKDKRRDKPKAKGDKTKRKNDSAV SKKENIVKPAKGPOEKVDG\DVRLDLDNL\QLKKPKEETPKDL TILNHLPLRRMKSL\EPPEKLTINQOK\TPRNKTSQRGKSE BGLFQRCQIRKANN
5977	1363	1336	PLEDRGQVLSHFQCLSLHSINHLHPGAGVAAGPATGW/REYLT PVLKESKPKETGVITPEEFVAAGDHLVHHCPTWQWATGELEKVK AYLPTGKQPLVTKNVPCKRCKQMEYSDELEAIIEZDDGDGQWV DTYHNTGITGITAVKEITLENKDNIRLQDCSALCEREDEDEG EADMBEYEEESGLETDATLDRKI VRACTAKTDAGGEDAILQ TRTYDLYITYDKYYQTPRLNLFQYDBQROPLTVEHMYEDISQDH VKKTVTIENHPLPPPPMCSVHPCRHAEMKKIETVAEGGGL GVHMYLLIFLKFVQAVIPTIEYDYTRHFTM
5978	160	3213	RDGARRWGGCQSPLTWAPGFYRRFDLATSGRRRLRGQTAEAPAGRO RPRREPAMDEQSVESIAEVFRFCFICMEKLRDARLCPHCCKLCC FSCIRRWLTEQRAQCPCRAPLQLRBLVNCRWAEVTTQQLDTLQ LCSLTKEEENKDKCENHHEKLSVFCWTCKKCIHQCALWGGMH GGHTFKPLARIYBQHVTKVNEEVAKLRRKLMELISLVQEVERNV EAVRNAKDERVREIRNAVEMMIARLDTLQKNKLITLMGQKTSIT QETELLESLLQVEHQLRSCSKSELISKSSEILMMFQQVHRKPM ASFVTTTPVPPDFTSELVPSYDSATFVLENFSTLRQADPVVYSP LQVSGLCWRLKVYPDNGVVRGYLVSFLSAGLPETSKYEYR VEMVHQSNDPTKNIIREFASDFEVGECWGYNRPFRLLLANEG YLNQNDTVILRPQVRSPTFFQKSRDQHWYITQLEAAQTSYIQ INNLERLTIELSRTQKSRDLSPPDNHLSQNDDALETRAKKSA

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			<p>CSDMLLER\GPYSAS\VREAKEDEEDEEKIQNEDYHRELSGDGL DLDLVYEDEVNQLDGSSSASSTATSNTEENDIDEETMSGENDV BYNNMELREGELEMDAAAAGPAGSSHGTVGSSSRISRRLCSA ATSSLLDIDPLILHLLDLKDRSSIEENLWGLQPPASLLQPTA SYSRKDKDQKQKQAMRVPSDLKMLKRLKTQMAEVRCKMTDVKN TLSEIKSSSAASGDMQTSLSFADQAALAACGTENSGRLQDLGME LLAKSSVANCYTRNSTNKKNSPKPARSSVAGSLSRRAVDPGE NSRSKGDCCQLTSESGSPGSSQSGSRHSSPRALHSGSIGDILPKE DRCKALDSDAVVAVFSGLEPAVEKRRKMVTLGANAKGGHLESL QMTDLENNSETGELQPVLPBGASAAPBEGMSDSDIECDTENEK QEEHTSVGGFHDSEFMVMTQPPDEKTHSSFPDGEQIGPEDLSFNT DENSGR</p>
5979	212	3665	<p>LPDMWYLWLKLLAFGFAFLDTEVFVTGQSPTSPPTDAYLNASE TTTLPSPGSAVITTTTIAATPSKPTCDEKANIITVDLYNKETK LPTAKLVNENVECGNNTCTNNBVHNLTECKNASVSIHNSCTA PDKTLILDVPPGVEKVPVHCCS\QVEQPDSTIWLKWKNIETSTC DTQNIITYRFQCGNMIFDNKEIKLENELEPEHEYKCDSEILYNSHK FTNASKIIRKTDGSPGEPQIIFCRSEAAHQGVITWNPQRSEFN FTLCYIKETKDKCLNLDKNLIKVDLQNLKPYTKYVLSLHAYIIA KVORNGSAAMCHFTTKSAPPSQVNMVSMTSNDSMHVKCRPPR DRNGPHERYHLEVEAGNTLVNESHKNCDFRVKDLQYSTDYTFK AYFHNGDYPGEPFILHSTSYNSKALIAFLAFLIIVTSIALLV LYKIIDLHKRS CNLDEQQLVERDDEKQIMNVFPIHADILET YKRKIADRGRLFLAEFQSI PRVFSKFPKEARKPFNQKNRYVD ILPYDYNRVBLSEINGDAGSNYINASYIDGFEKPRKYIAAQGPR DETVDDEFWRMIWEQKATVIMVTRCEEGNRNKCAEYWPSMEEGT RAFGECCCKDLTKHRCR\DYIIQKLNIVNKKKATGREVTHIQ FTSWPDHGVPEDEPHLLKLRNRVNAFNSFFSGPIVVHCSAGVGR TGTYIGIDAMLEGLEAENKVDVYGVVVKLRRQRCLMVQVEAQYI LHQALVEYNQFGETEVLNSELHPYLHNMKKRDPPEPSPLEAE FORLPSYRSWRTQHIGNQE\ENKSKNRNSNVIPYDYNRVPLKHE LEMSKESRHSDESSDDSDSERPSKYINASFIMSYNKP\EVMI AAQGPILKETIGDFWQMIQKRVKIVNLTTELKHGDQEI CAQYWG EGKQTYGDLVDLKDTSSTYTLRVFELRHSKRKDSRTVYQYQ YTNSVRLQAPBPKELISMIQVVKQLPQKNSSEGNKHKSTPL LIHCRDGSQQTGIFCALLNLLESAETEEVVDIFQVVKALRKARP GMVSTFEQYQFLYDVIASTYPAQNGQVKKNNHQEDKIEFDNEVD KVKQDANCNVNPLGAPEKLPKAEQABGSEPTSGTEGPEHSVNGP ASPALNQGS</p>
5980	3	2363	<p>DANGCKLRLRLFTYGTQTRVSLALPGQYELVHTLVAHQGNWBTI PEEDLEVQENNEDAHDLELEVTHHALLQSEVDVVVAPCQGLR PTVDVLGDLVNDPLPVITYALHKDELSEDEQELQEKIRKYSFP VFFFKVPKLGSEIIDSSTRMESERSPLYRQLIDLGLSSSHWN CGAPGQDTKAQSMLEQSEKLRHLSTFSHQVLQTRLVDAKALN LVHCHCLDIFINQAFDMQDRLQITPKRLEYTRKKENELYESIMN IANRKQEBEMKDMIVETLNTMKEELLDDATNMKPKOVIVPENGEF VGTREIKCCIRQIQELIISRLNQAVANKLISSVDYLRSPVQTL ERCLQSLKESQDVSVHITSNYLKQILNAAHYEVTFHSGSSVTR MLWEQIKQIIQIRITWVSPAITLEWKRKVAQBAIESLSASKLAK SICSPFRTRLNSSHEAPASLRQLEAGHSGRLKTBDLNLRVRK DHAPRLARLSLESRLQDVLHHRKPKLGQELGRGQYGVVYLCDN WGGHFPCKALKSVVPPDEKHNDLAEFHYMRSLEPKHERLVDLHG SVIDYNYGGSSIAVLLIMERLHRDLTYGLKAGLTLETRLQIAL DVVEGIRFLHSQGLVHRDICKLVLLDKQNRKIDTDLGFKCPEA MMSGIVGTPIHMAPELFTGKYDNSVDVYAPGILFWYICSGSVK LPEAFERCASKOHLWNNVRRGARPERLPVFECCNQLEACWDG DPLKRPLLGIVQPMQGINRLCKSNSBQPNRGLDST</p>
5981	1	2519	<p>GRHSAAMERPWAADGLSRWPHGLGLLLQLLPPSTLSQDRL DAPPPPAAPLPRWSGPIGWSGLRAAAA\GGAFPRGGRWRRSAP G\EDBECGRVDRFVAKLANTHQHVFDLGRSVLSWVGDSSTGV ILVLTTFHVPLVIMTFGQSKLYRSEYDGRNFKDITDLINNTPIR</p>

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			<p>TFPGMAICPEKSGKVLTAEVSGSGSRGGRIFRSSDFAKNFVQTD LFFHPLTQMYSQNSDYLLALSTENGLWVSKNFGGKWEIHK VCLAKWGSNDTIFFTTYANGSCADLGALELWRTSDLGKSFCTI GVKIYSPGLGGRFLFASVMADKDTTRRIHVSTQDGTWMAQLP SVGQEQFYSLAANDDMVFMHVDEPGDTGFTIPTSDDRGIVYS KSLDRHLYTTTGGETDFTNVTSLRGVYITSVLSEDSIQITMITF DQGGRWTHLRKPENSECATAKNKNECSLHIHASYSISQKLNVP MAPLSEPNVAVGIVIAHGSVGDASVMVDPVVISDDGGYSWTML EGPHYITLDSGGIIVAIHSSRPINVIKFSSTDEGQCQTYTFT RDPIYFTGLASEPGARSMNISIWGFTBSFLTSQWVSYTIDFKDI LERNCEEKDYTIWLAHSTDPEDYEDGCILGYKEQFLRLKSSVC QNGRDYVVTQKPSICLCSLEDPLCDFGYRPNDSKCVQEPBLK GHDLEFCLYGREHLLTNGYRKIPGDKCQGGVNPVREVKDLKKK CTSNFLSPEKQNSKNSVPIILAIVGLMLVTVVAGVLIVKKYVC GGRFLVHLYSVLQQH\AEA\NGVDCVDAIDTASHINKSGYHDDS DEDLLE</p>
5982	56	2316	<p>ATRPGRSSWCRQFSRTASAAPGRSNMLRIPVRKALVGLSKSPK GCVRTTATAASNLIEVFVDGQSVMBEPGTTVLQACRKGVMQIPR PCYHERLSVAGNCRMCLVEIEKAPKVVAACAMPVMKGWNLITNS EKSKKARBGVMEFLANHPDLCPICDQGGECDLQDQSMFQNDNR SRFLEGKRAVEDKNIGPLVKTIMTRCIQCTRCIRFASIELAGVDD LGTTCRGNDMQVGTIYBKMFMSLSGNIIDICPVGALTSKPYAF TARPWETRKTESIDVMDAVCSNIVVSTRTGEVMRILPRMHEDIN EWNISDKTRFAYDGLKRQRLTBPMVRNEKGLTYTTSWEDALSRV AGMLQSPQGDVAAIAGGLVDAAELVALKDLLNRVDSITLCTBE VPPTAGAGTDLRSNYLLNTLAGVEADVLLVGTNPRFAPLF NARTKSLHNDLKVALLIGSPVDITYTDHLGDSPKILQDIASG SHFPSQVLKEAKKPMVVLGSSALQRNDGAAILAAVSSIAQKIRM TSGVTGDWKMNIHLRIASQVAALDLGYKPGVEAIRKNPKVLF LLGADGGCITRQDLPKDCFITYQGHGCDVGAPLADVILPGAAYT EKSATYVNTGEGRAQTKVAVTTPGLAREDWKIIRALSRITAGMTL PYDTL\DOVRNRLIEEVSPLVRYDDIEG\ANYFQQAELSCLVN QQLLADPLVPPQLTMKDFYMTDSISRASQTMKCVKAVTEGAQA VEEPSIC</p>
5983	248	1763	<p>EARGDGGRRRRHRASGRRRAGRGEP\AGLKSQCQRAVPKRAVARGG RQ\YSAATALLPAGSRIADDLSILYSNRAACYLKEGNCSCGCIQ DCNRALSLHPPSMKPLLRAMAYETLEQYKAYVDYKTVLQIDC GLQLANDSVNRLSRILMELDGPWNRKLSLIPAVPASVPLQAWH PAKEMISKQAGDSSSHRQGGITDEKTFKALKEBGNQCVNDKNYK DALSKYSECLKINNECAIYTNRALCYLKLQCFEEAKQDCDOAL QLADGNVKAIFYRRALAHKGLKNYQKSLIDLKNVILLDPSSIIEAK MELEBEVTRLLNLKDKTAPFNKEKERRKIRIQEVNEGKEEPRPA GEVSTGCLASEKGGSSRSPEDPKLP\IAKPNNAYEPQITNAL STRKDKACAHLLAITAPEDLPMFLSNKLEGDTFLLLIQSLKNN LIEKDPISLVYQHLLYLSKAERFKMMLTLISKGQKELIEQLFEDL SDTPNNHFTLEDIQALKRQYEL</p>
5984	755	1193	<p>SSVCMCTVVSNLGKKQSVSPLASGLMRVSTGPELRLHHSFVL TGDVGRRICRLVLGLFTKGDTSKKRVHPFSPGFCFLCDLARVG SSPKINVSPPYQN\QTSTQBSCTVFVMQRCSLVGPFPQVTVFTMY FHHSLSISRFSSG</p>
5985	22	1408	<p>ERVARPGTAEPKARRTVRRGRARRDLAGAERKAGVSRGDSGR RRPNPSIPSAAGMSHIQIPPLTELLQGYTVEVLQPPDLVE FAVEYFTRLREARAPASVLPAAATPRQSLGHPPEPGFDRVADAK GDSSEEDDEDLEVPPSRFNRRVSVCAETYNPDEEEDTDPRVI HPKTDQRCLQEAACKDILLFNLDQEQLSQVLQAMFERIVKAD EHVIDQDDGDNFYVIERGTYDILVTKDNQTRSVGQYDNRGSPG ELALMYNTPRAATIVATSEGLWGLDRVTFRRRIIVKNNAKKRM FESFIESVPLLSLEVSERMKIVDVIGBKTYR/DGERIITQGE K\ADSFYIIESGEVSLIRSRKSNKDGNGQVEIARCHGQYF GETALVTNKPRAASAYAVGDVKCLVMDVQAFERLLGFCMDIMKR NISHYEBQLVKMFSSVDLGNLGG</p>

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5986	1806	484	DANKSTSLTFHWKLWGRHRRERGLAHPKNHLSFQQGGATPQVP SPCCRFDSFPRGPPPPRLGLLALMAEDGVRGSPVPVSGPPMEED GLRWTPKSPLDPSGLLSCITLNGFGGQSGPEGERSLAPPDASI LISNVCSIGDHVAQELFQGSIDLMAEEAEERPEGEK\AQHSPLE EHVTCVQSILDEFLQT\YGSLLPLSTDEVVEKLEDIFQQEFSTP SRKGLVLQLIQSYQRMPCGNAMVRGFRVAYKRHVLTMDDLGTLYG QNWLNQVMNMYGDLVMDTVPEK\VFHFNSEFF\DKLRTKGYDG VKRWTKNVDIFNKKLLIPIHLEVHNSLISVDVRRRTITYFDSQ RTLNRRCPKHIAKYLAQAVKKDRDLFHQGWKGYPKMNVARQNN DSDCGAFVLQYCKHLALSQPPSFSTQDMPKLRRIYKRLCHCKL TV
5987	1806	484	DANKSTSLTFHWKLWGRHRRERGLAHPKNHLSFQQGGATPQVP SPCCRFDSFPRGPPPPRLGLLALMAEDGVRGSPVPVSGPPMEED GLRWTPKSPLDPSGLLSCITLNGFGGQSGPEGERSLAPPDASI LISNVCSIGDHVAQELFQGSIDLMAEEAEERPEGEK\AQHSPLE EHVTCVQSILDEFLQT\YGSLLPLSTDEVVEKLEDIFQQEFSTP SRKGLVLQLIQSYQRMPCGNAMVRGFRVAYKRHVLTMDDLGTLYG QNWLNQVMNMYGDLVMDTVPEK\VFHFNSEFF\DKLRTKGYDG VKRWTKNVDIFNKKLLIPIHLEVHNSLISVDVRRRTITYFDSQ RTLNRRCPKHIAKYLAQAVKKDRDLFHQGWKGYPKMNVARQNN DSDCGAFVLQYCKHLALSQPPSFSTQDMPKLRRIYKRLCHCKL TV
5988	1292	410	FKRYFLSPGLLESSHSRDRIHNLVLMFLATHNLVWVFTCRFQ RLDCITLNLNAGIMPNOPLNIKALLFGLFS\ABGLLTQGDKITADG LQEVFETDVFGHFIILIRELEPLLCHSDNPSQLIWTSSRNARKSN FSLDFQHSKSGKEPYSSSKYATDLSVALNRNPNQGLYSNVAC PGTALNTLVGILPFIWTLMPAIIILLRFFANAFITLTPYNGTE ALVWLFHQKPSLNLPIKYL SATTGFRNYIMTQKMDLDBDTAE KFQKLELEKHIRVITQKTDNQAIRSGSCL
5989	194	2610	AMDPPQHSQHVLEQLNQQRQLGLLCDCTFVVDGVHFAKHAVALA ACSEYFKMLFVDQKDVVHLDISNAAGLGQVLEPMYTAKLISLSE NVDDVLA\AVATPLQMDIITACHALKSLAEPATSPGGNARALAT EGGEKRAKEEKVATSTLSRLAQGRSTPIGPSRDLKEERGQQAQ SAASGAEQTEKADAPREPPVELKPDPTSCMAAABAAALSESS EQEMEVEPARKGEBEQKBEQEKEEGCAGPAEVKEEGSQLENGBA PENENNESAGTDSQELGSRARGLSGTYGDRTESKAYGSVIH KCEDCGKEFTHTGNFKRHIRIHTGEKPFSCRECSKAFSDPAACK AHEKTHSPLKPYGCECGKSYRLISLNLKRRHSGEARYRCD CGKLFTTSGNLKRRHQLVHSGEKPYQCDYCGRSFSDPTSKMRHLE THDTRKHKCPHCDKKFNOVGNLKAHLKTHIADGPKLCKRECGKQ FTTSGNLKRRHRIHSGEKPYVCIHCRQFADPGALQRHVRHTG EKPCCVMCGKAFQASSLIAHVROHTGEKPYVCERCGRKRFVQS SQLANHIRHHDNIRPHKCSVCSCAFVNVGDLKHI I IHTGEKPY LCDKCGRGNRVNLRSHVKT VHQQKAGIKILBPEEGSESVSVVT VDDMVTALATEALAAVAVTQLTVPVGA AVTADTEVLKAEISKA VKQVQBEDPNTHIYACDSGDKFLDANS LAQHVR IHTAQALVM FQTDADFYQQYGGGTWPAGQVLQAGELVFRPRDGAEGQPALAE TSPTAPECPPPAE
5990	2	4700	FGPGPDSGGGARGSGWGSRSQAPYGTLGAVSGGBQVLLHEEAGD SGFVSL SRLGPSLRDKDLEMBELMLQDETLLGTMQSYMDASLIS LIEDFGSLGEVEMSLPDPWDPSPPSFLETSSPKLPSWRPPRSR PRWQSPPPQQRS DGEEREEVASFSGQILAGELDNVSSI PDPF MHLACPEBEDKATAAEMAVPAAGDESISSLSELVRAMHPYCLPN LTHLASLEDELQEQDDLTLEGCVVLEIVGQAATAGDDLEIPV VVRQVSPGPRPVLLDSDLETSSALQLLMPITLESETERAAVPKVTL CSEKEGLSLNSEEKLDACLKPREVVEPVVPKPEQNPANAAAP GSQRAKGRKKKSKBQPAACVEGYARRLRSSRGQSTVGTETVS QVDNLQKQPQEEQLKESGPKQCKGKPRAWARAWAALENSSPKN LERSAGQSSPAKEGPI DLYPKLADTIQTNEIPTHLSLVDSQAQS FMPVDSVEADPTAVGPVLAGVPVVDPLVDLASTSSSELVEPLPA EPVLINPVLDASAAVDPAVVPISDNLPVDAVPSGAPVDLALV

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			<p>DPVFNDLTPVDFVLVKSRTDPERRGAVSSALGGSAPQLLVESES</p> <p>LDPPKTIIEPVKEVVDLSLKIESGTSATTHEARPRPLSLSEYRRR</p> <p>RQQRQAETEERSQPPTGKWPSPRPPTGLADIPCLVIPPAPAK</p> <p>KTALQRSPTPLKICLVPGVSPASPSPEPPVSKPVASSPTQV</p> <p>PSQEMPLARSPSPVQSVSPAVPTPPSMSAALPFPAGGLGMPPS</p> <p>LPPLPQPPSLPLSMGPVLPDPFTTHYAPLPSWPCYPHVSPSGYP</p> <p>CLPPPPTVPLVSGTPGAYAVPPTCSVPWAPPAPVSPYSSTCTY</p> <p>GPLGWGPGPQHAPFWSTVPPPLPPASIGRAVPQPKMESRGTPA</p> <p>GPPENVPLPLSMAPPLSLGLPGHGAPQTEPTKEVKVPVPASPHPK</p> <p>EKVSALVQSPQMKALACVSAEGVTVEEPASERLKPETQETPRR</p> <p>KPPLPATKAVPTPRQSTVPKLEPAVHPARLRKLSFLETPRTQGS</p> <p>DVVQAFISEIGIEASDLSSLEQFEKSEAKKECPPAPADSLAV</p> <p>GNSSGVDPQEKRPDLRLQAPELANVAGLTPPATPPHQLWKPLA</p> <p>AVSLLAKAKSPKSTAQEGTLKPEGVTEAKHPAAVRLQEGVHGFS</p> <p>RHVHSGSDHDYC\VRSTTPKK\MPALLIPEVGRSMNVKRQDI</p> <p>TIKPVLSLGPAAAPPFCIAASREPLDHTSSEQADPSAPCLAPS</p> <p>SLLSPEASPCRNDMNRTPPEPSAKQSRMRCYRKACRSASPSSQ</p> <p>GWQGRGRNRSRVSSGNSRTSEASSSSSSSSSSSSSSSSSSSR</p> <p>HRWRSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSR</p> <p>PSRRRSRRRRYSSYRSHDHYQRQVLRQKRAIKERRRVVFIGK</p> <p>IPGMRTRSELKQRFVSFGEIEECTIHFVQGDNYGFVTRYAEE</p> <p>APAAIESGHRLRQADEQPFDLCPGGRQFCRYSYDLSNREDF</p> <p>DPAPVSKFDSLDFTLLKQAKNLRR</p>
5991	334	1379	<p>RLSSHFQSCSPSIYC\TKFDKQGNVTSFERKKTELYQELGLQAR</p> <p>DLRFQHVMSITVRNNRIIMRMEYLKAVITPCCILLIDYRNLNLK</p> <p>QWLFRLZLPSQLSGGQLVTYPLPPEFRAIBALLQYWINTLQSKL</p> <p>SILQPLILETLDALGDPKHSSVDRSKLHILLQNGKSLSELETDI</p> <p>KIFKESILEILDEBELLEELCVSKWSDPQVFEKSSAGIDHAEEM</p> <p>ELLEENYYRLADDLSNAARELRVLIDDSQSIIFINLDSHRNVMM</p> <p>RLNLQLTMGTFSLSLFGLMGVAFGMNLESSLEEDHRIFWLITGI</p> <p>MFNGSGLIWRRLSFLGR/LARSSIASYGMKDMVHGIVEGL</p>
5992	2	609	<p>AGPDFRLVCGVSGSGFGGGRQOATEWRPLRPWNGAMEKLRRL</p> <p>SGQDDREOGLTAQDSQINL/SEVLDASSLSPNTRLKWFACFVC</p> <p>GVFFSILGTGLLNLPGGKILFAVFTLGNLAALASTCFLMGVPK</p> <p>QLKKMFATRLLATIVMLCFITFLCAALWWHKGLAVLPCILQ</p> <p>FLSMTWYSLSYIPYARDAVKKCCSLLS</p>
5993	1650	594	<p>ABGLGSWAVWAGLWAGRHMERAGGATGALGVGCKLPFAFCFPGS</p> <p>SVAMDMFQKVEKIGEGTYGVVYKAKNRRTGQVALLKKIRLDLE</p> <p>EGVPSTAIRBISLLKELKHPNIVRLDVVHNERKLYLVFEPLSQ</p> <p>DLKKYMDSTPGSELPLHLIKSYLPQLLQGVSPCHSHRVTHRDLK</p> <p>PQNLINELGAIKLADFLARAFGVPLRTYTHEVVTLWYRAPEI</p> <p>LLATRFYTTAVDINSIGCIFAEMVTRKALFPGDS\EIDQ\LFRI</p> <p>FRMLGTPESEDTPGVTLQPDYKGSPPKNTRKGLLEIVPNLEPEG</p> <p>RDLLMQLLQYDPSQRITAKTALAHFYFSSPEPSPAARQYVLQRF</p> <p>RH</p>
5994	394	1934	<p>AGEVQLHVWIRGMRIQPO/KAAAYIDLDPDFEPQSRPRSCWPL</p> <p>PRPEIANQPSKPPVEPDLGKVKHTEGRSEPIILLPSRLPEPAGG</p> <p>PQPGILGAVTGPRKGGSRNNAWGNQSYABELISQAIESAPEKRLT</p> <p>LAQIYEWVVRTVPYFKDKGDSNNSAGWKNIRHNLSLHSPKIKV</p> <p>HNRATGKSSWMLNPEGGKSGKAPRRRAASMDSSSKLLGRSKA</p> <p>PKKPSGLPAPPEGATPSPVGHFAKWSGSPCSRNRREADMWTT</p> <p>FRPRSSSNASSVSTRLSPLRPESEVLAEIIPASVSSYAGGVPT</p> <p>LNEGLELLDGLNLTSSSHLLSRSGLSGFSLQHPGVGTGPLHTYSS</p> <p>SLFSPAEGPLSAGEGCFSSSQALEALLTSDTPPPPADVIMTQVD</p> <p>PILSQAPTLLLLGGLPSSSKLATGVLGCPKPLEAPGESSLVPTL</p> <p>SMIAPPVMAAPIPKALGTPLVTPTEAASQDRMPQDLDDMY</p> <p>MENLECDMDNIISDLMDGEGLDNFNFPDP</p>
5995	2	2437	<p>RPPGPGPASGAWLCTRAGSAFVPLPFPSPSRGARRRRRLPGR</p> <p>GVAAALRRGPGSAPGLPRGAERSAAGSGRGPSPREERGAAAAAA</p> <p>AEMMEELHSL\DP\RRQELLERF\TGLGVSKGPLNSESNNQSL</p> <p>CSVGSLSKKEVETPEKKQNDQRNRKKAEPYETSQKGTTPRGHK</p>

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			ISDYFERRVEQPLYGLDGSAAKEATEEQSALPTLMSVMLAKPRL DTEQLAQRGAGLCFTFVSAQQNSPSTGSGNTEHSCSSQKQISI QHRQT\QSDLTIEKISALENSKNSDLEKKEGRIDDLRANCDLR RQI\DEQQKMLEKYK\ERLNRCPDNEPRNFLEKSKQEKMACRD KSMQDRRLRGHFTTVRHGASFTEQWTDGYAFQNLIKQQRINSQ REEIERQRKMLAKRKPPAMGQAPPATNEQQRKSKTNGAENETL TLAEVHEQEIEFKLRIGHLKKEEABIQAELERLERVRNLHIREL KRHNEDNSQFKDHP\TNDRYLLHLGRGGFSEVYKAFDLTEQ RYVAVKIHQLNKNWRDEKKENYHKHACREYRIHKBLDHPRIVKL YDYPSLDTDSPCTVLEBYCEGNDLDFYLLKQHKLMSEKEARSIIMQ IVNALKYLWEIKPPIIHYDLKPGWILLVNGTACGEIKITDFGLS KIMDDDSYNSVDGMBELTSQAGTYWVLEPECFVVCKEPPKISNK VDVWSVGVIIFYQCLYGRKPPGHNSQSQDILQENTILKATEVQFP PKPVVTPKAFIRRLCLAYRKEDRIDVQQLACDPYLLPHIRKSV STSSPAGAAIASTSGASNNSSN
5996	1612	981	DQQAACLLGLMLTLEFGILEFDPSWIGSWTQR/SWWSWRSRPGCE LFSIVVFGSIVNEGYNLSASEGEEFCIYNRNPNACSYGVAVGV AFLTCLLYLALDVYFPQISSVKDRKK\AVLSGHPVVSSEPHPA FWAFLWFTGDS CYL\ANQWQVSKPKDNPLNEGTDASGRPSPPS FFSIFTWSLTAALAVRRFKDLSFQEEYSTLFP\ASAPQ
5997	1612	981	DQQAACLLGLMLTLEFGILEFDPSWIGSWTQR/SWWSWRSRPGCE LFSIVVFGSIVNEGYNLSASEGEEFCIYNRNPNACSYGVAVGV AFLTCLLYLALDVYFPQISSVKDRKK\AVLSGHPVVSSEPHPA FWAFLWFTGDS CYL\ANQWQVSKPKDNPLNEGTDASGRPSPPS FFSIFTWSLTAALAVRRFKDLSFQEEYSTLFP\ASAPQ
5998	1612	981	DQQAACLLGLMLTLEFGILEFDPSWIGSWTQR/SWWSWRSRPGCE LFSIVVFGSIVNEGYNLSASEGEEFCIYNRNPNACSYGVAVGV AFLTCLLYLALDVYFPQISSVKDRKK\AVLSGHPVVSSEPHPA FWAFLWFTGDS CYL\ANQWQVSKPKDNPLNEGTDASGRPSPPS FFSIFTWSLTAALAVRRFKDLSFQEEYSTLFP\ASAPQ
5999	2	1790	RPPMEKARRGGDGVPRGPVLIHVVGFFHHKGCQVEFSYPLIP GDGHSHTLPBENKYLPPFALPDGAHNYQEDTVFFHLPFRNG ATVFGISCYR\QIEAKALKVROADITRETQKSVCVLSKLPYLG LLQAKLQLI\THAYFEEKDPSQISILKELYHNMSSLGASLEGS QVYLGSPRDLVLFHFKGLILFKLILLEKKVLFYISPVNKLVG ALMTVLSLPGMIRHGLSDCSQYRPRKMSSEDDGQLQESNPCADD FVSASTADVSHNLGTIRKVMAGNHGDEAMKTEEPFQVEDSS KGQEPNDTNQYLKPPSRPSPDSSSESDNETLDPVLEDPNLKERE QLGSDQTNLFPKDSVPSESLPITVQPOANTGQVVLIPGLISGLE EDQYGMPLAIF\KGYLCLPYMALQQHLLSDVTVRGPFVAGATNI LFRQQKHLSDAIVEVEEALIQIHDPELRKLLNP\TTADLRFADYL VRHVTENRDUVFLDGTGWEGGDEWIRAQFAVYIHALLAATIQLV LFRIVNVAKKIGNMVTT\SRNVVQTGK\AVGQSVGGAFS\SAK TA\MSSWLSPTTSTSQSLTEPPDEKP
6000	101	1561	TEPCRTAENCTATMSENNKNLSLESSLRQLKCHFTWNLMEGENSL DDFEDKVFYRTEFQNRREFKATMCNLLAYLKLKGNBAALECLR KABELIQESHADQASIRSLVTWGNVYAWVYHMGRLSDVQIYVDK VKHVCEKFSSPYRIESPDLDCBEGWTRLKCGGNQNERAKVCFEK ALEKKPKNPEPTSGLAIASYRLDNWPPSQNAIDPLRQAIRLNP NQYLKVLALLKLHMRBEGEEREGEK\LVREALEKAPG\VTDV LRSAA\KFYRGKDEPDKATIELLKALBYIP\NNAYLHCQIGCCY RAKVQVMNLRBNHMYGKRKLELIGHAVAHLLKKADEANDLFR VCSILASLHALADQYEDAEYYPQKEFSKELTPVAKQLLHLRYGN POLYQMKCEDKAIHHFIEGVKINQKSREKEKMDKLQKIAMRL SKNGADSEALHVLAFLOLBNKMQQADEDSERGLESGSLTPSAS SWNGE
6001	176	1038	AFAPSPSRGHRETHIHTPRHTPRCTMAESHLQSSLITASQFFEI WLHFDADGSGYLEGKELQNLQELQARKKAGLELSPMKTFVD QYQQRDDGKIGIVELAHVLPTEENFLLPRCQQLKSCE\EFMKT WRKYDTDHSGFIETEELKNFLKDLLEKANKTVDDTKLAEYTDLM

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			LKLFDSNNDGKLELTEMARLLFVQENFLKPKQGIKMCGEFNKA PELYDQDQNGYIDENELDALLKDLCEKNKQDLINNITTYKKNI MALSDGGKLYRTDLALILCAGDN
6002	977	81	LAPPGGGLHIPRTPLSHSRPPPSHHAPHSPPLPLPPADLHPHS SMAQRSDLLLELDQQLTRDRVVVVSHDENLCRQSGLNDRDVGSLDF EDLPLYKEKLEVVYSPGFHAGSDRRMVRLEDLQRFPRTPMSV EIKGKNEELIREQ/VLVRRYDRNEITIWASEKSSVMKKCKAANP EMPLSFTISRGFWLLSYLGLLPFTIPIPEKFFFCFLPNITINRT YPPFSCSCINQLLAVVSKWLMKSLIRHLEERGQVQVFWCLNB ESDFAAFSVGATGVITDYPTALRHYLDNHGPAARTS
6003	140	4098	GKLRAFRCMRRLICKRICDYKSFDDDESVDCNRPSSAASAFKVP APKTSQNPANSARKPGSAGGPKVGAGASKEGGAGAVDEDDFIKA FTDVPSTIQIYSSRELEETLNKIREILSDDKHWDQRANALKKIR SLLVAGAAQYDCFFQHLRLLDGALKLSAKDLRSQVVRACITVA HLSTVLGNKFDHGAEAIPTPLFNLVPSAKVMATSGCAAIRFII RHTHVPRLIPLITSNCTSKSVPVRRRSFEFLDLLLQEWQTHSLE RHA AVL VETIKKGIHDADAEARVEARKTYMGLRNHFPGEAETLY NSLEPSYQKSLQTYLKSSGVSASLPQSDRSSSSSQESLNRPFSS KNSTANPSTVAGRVASAGSSKASSLPGLQRSRSDIDVNAAAGAK AHHAAGQSVRSRGLGAGALNAGSYASLEDTSDKLDGTASEDGRV RAKLSAPLAGMGNKADSRGRSRTKMVSQSQPGSRSGSPGRVLT TTALSTVSSGVQVRLVNSASAQKRSKIPRSQGCSEASPSRLSV ARSSRI PRPSVSQGCSEASRESSRDTSPVRSFPQLASRHHRS TGALYAPVYVYASGPGYISQSSRLSSSVSAMRVLTGSDVERA VADALLGDIRTKKKPARRRYRSGMHSDDDANSASSACSESS YSSRNGSIPTYMRQT\BDV\AEVLNRCASSNWSERKEGLLGLQN LLKNQRTLSRVELKRLCEIFTRMFADPHGKRVFSMFLETLVDFT QVHKDDLQDWLFVLLTQLLKKMGADLLGSVQAKVQKALDVTRRS FPNDLQFNILMRFTVDQTQTPSLKVKVAILKYIETLAKQMDPGD FINNSETRLAVSRVITWTTEPKSSDVRKAAQSVLISLFEINTPE FTMLL GALPKTFQDGATKLLHNHLRNTGNGTQSSMGSPLTRPT RSPANWSSPLTSPNTSQTLSPSAFDYDTENMSEDIYSSLRG VTRAIQNFSPRSQEDMNEPLKRDSSKDDGDSMCGGPG\MSDPRA GGDATDSSQTAL\DNKASILLHSMPTSSPSRSDYNPNYSDSIS PFNKSALEKAMFDDADQFPDDLSDHSDLVARLLKRI.SNHNER VEERKIALYELMKLTORRSSFVWDRHFKTILLLLETLGDKET IRALALKVLRILRHQPARFKNYABLTVMKTLAAHOPHKEVVR SAREASV\LATSI\SPQCICKVLCPIIQTADYPINLAAIKMQT KVIERSVKETLNLLEPIMPGLIQGYDNSESSVRKACVFCVLAV HAVIGDELKPHLSQLTGSKMILLNLYIKRAQTGSGGADPTDVS GQS
6004	140	4098	GKLRAFRCMRRLICKRICDYKSFDDDESVDCNRPSSAASAFKVP APKTSQNPANSARKPGSAGGPKVGAGASKEGGAGAVDEDDFIKA FTDVPSTIQIYSSRELEETLNKIREILSDDKHWDQRANALKKIR SLLVAGAAQYDCFFQHLRLLDGALKLSAKDLRSQVVRACITVA HLSTVLGNKFDHGAEAIPTPLFNLVPSAKVMATSGCAAIRFII RHTHVPRLIPLITSNCTSKSVPVRRRSFEFLDLLLQEWQTHSLE RHA AVL VETIKKGIHDADAEARVEARKTYMGLRNHFPGEAETLY NSLEPSYQKSLQTYLKSSGVSASLPQSDRSSSSSQESLNRPFSS KNSTANPSTVAGRVASAGSSKASSLPGLQRSRSDIDVNAAAGAK AHHAAGQSVRSRGLGAGALNAGSYASLEDTSDKLDGTASEDGRV RAKLSAPLAGMGNKADSRGRSRTKMVSQSQPGSRSGSPGRVLT TTALSTVSSGVQVRLVNSASAQKRSKIPRSQGCSEASPSRLSV ARSSRI PRPSVSQGCSEASRESSRDTSPVRSFPQLASRHHRS TGALYAPVYVYASGPGYISQSSRLSSSVSAMRVLTGSDVERA VADALLGDIRTKKKPARRRYRSGMHSDDDANSASSACSESS YSSRNGSIPTYMRQT\EDV\AEVLNRCASSNWSERKEGLLGLQN LLKNQRTLSRVELKRLCEIFTRMFADPHGKRVFSMFLETLVDFT QVHKDDLQDWLFVLLTQLLKKMGADLLGSVQAKVQKALDVTRRS FPNDLQFNILMRFTVDQTQTPSLKVKVAILKYIETLAKQMDPGD FINNSETRLAVSRVITWTTEPKSSDVRKAAQSVLISLFEINTPE

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			<p>FTMLGALPKTFQDGATKLLHNLHNTGNGTQSSMGSPLTRPTP RSPANWSSPLTSPTNTSQNTLSPSAFDYDTENMSEDIYSSLRG VTEAIQNPSFRSQEDMNEPLKRDSKDDGDSMCGGPG\MSDPRA CGDATDSSQTAL\DNKASLLHSMPTHTSSPSRSDYNFYNYSDSIS PFNKALKEAMFDDADQFPDDLSDHSDLVARLLKELSNHNER VEERKIALYELMKLTQEESFSVWDEHFKTILLLETLGDKPT IRALALKVLRBILRHQPARFKNYAELTVMKTLEAHKDPHKEVVR SAEAAASV\LATSI\SPEQCIKVLCPITADYFINLAAIKMQT KVIERSVKETLNLPLPRIMPGLIQGYDNSESSVRKACVFLVAV HAVIGDELKPHLSQLTGRMKLLNLTKRAQTGSGGADPTTDVS GQS</p>
6005	133	5955	<p>RSSGRRQBQLGQFPGRERKGMASGLGSPSPCSAGSEREDMDALL NNSLPPPPHENERDPEEDLSETETPKLKKKKPKKPRDPKIPKS KRQKKERMLLCRQLGDSGEGPEFVVEEHEVALRSDSEGSDYTP GKKKKKGLGPKKEKKSXSKRKEEEDDDDDSDSKEPKSSAQLL KDWGMEDIDHVFSEEDYRTLTNYKAFSQFVRPLIAAKNPKIAYS KMMVLGAKWREFSTNNPFGSSGASVAAAAAAVAVVESMVT TEVAPPPPPVEVPIRKAKTKEGKGNARRKPKGSPRVFPAKKPK PKKVAPLKIKLGGFGSKRRRSSSEDDDLVESDFDDASINSYSV SDGSTSRSSRSRKKLRTTKKKKGEEVTAVDGYETDRQDYCEV CQOGGEIILCDTCPRAHYMVCLDPMEKAPGKNSCPHCEKEGI QWEAKEDNSEGREILBEVGGDLKEEDDHHMFRCRVCKDGGELL CDTCPSSYHICINPPLPRIPNGEWLCPRCTCPALGKVQKILI WKWGQPPSPPTVPRPPADENTPSPKPLEGRPERQFVVKWQMS VHCSWVSELQLELHC\QVMFRNYQRKNDMEPPSGDFGGDEEK S\RRKKNKDPKFAEMBERFYRYGIKPW\MMIHRILNHSVDKKG HVHYLIKWRDLPYDQASWESEDVEIQDYDLFKQSYWNHRELMRG EBGRPGKLLKKVKLRKLERPPETPTVDPTVKYERQPEYLDATGG TLHPYQMBGLNWLRFSAQGTDTLLADEMGLGKTVTAVFLYSL YKEGHSKGFPLVSAPLSTIIN\WEREPFMWAPDMYV\VTYVGDK DSRAIIRENFFS\FEDNAIRGGKASRMKKEASVKPHVLLTSE LITIDMAILGSDWACLIVDEAHLKNNQSKFFRVLNGYSLQHK LLLTGTPLQNNLEELFHLLNFLTPERFHNLEGFLEEFADIAED QIKKLHMLG\PHMLRRLKADVFKNMPSKTELV\RVLSPM\Q KYYK\YILHSKFLKALN\ARGGGNQVSLNVMVMDLKKCCNHPY LFPVAAMEAPKMPNGMYDGSALIRASGKLLLLQKMLKNLEGGH RVLIFSQMTKMLDLLEDFLEHEGYKYBRIDGQITGNMRQEAIDR FNAPGAQOFCFLSTRAGGLGINLATADTVIYDSWNPHNDIQ APSRHRIGQNKKVMIRPVTRASVEERITQVAKKMMMLTHLVV RPLGLSKTGSMSKQELDDILKFGTRELKDEATDGGGDNKEGED SSVIHYDDKALERLLDRNQDETEDETLQCMNEYLSFPKVAQYV RREEMGEEREREIKQESVDPDYWEKLRHHYEQQEDLAR NLGKGRIRKQVNYNDGSQEDRDWDDQSDNQSDYSVASSEGDE DFDERSEAPRRPSRKGLRNDKDKPLPPLARVGGNIEVLGFNAR QRKAFLNAMRYGMPQDAFTTQMLVRDLRGKSEKEFKAYVSLF MRHLCEPGADGARTFADGVPREGLSRQHVLTIGVMSLIRKKVQ EFHVNWRWSMPELAEVERNKKMSQGSPPSKTPTPTPGDTQP NTPAPVPPAEDGKIEENSLKERESIEGEKEVKSTAPETAIECT QAPAPASEDEKVVEPPEGEKVEKAEVKERTEEPMBETEPKGG AADVEKVEKSAIDLTPIVVEDKEEKEEKEEKEVMLQNGETPK DLNDEKQKKNIKQRFMFNIADGGFTLHLSLWQNEERAATVTKT YEIWHRRHDYLLAGIINHCYARWQDIONDERYAILNEPFGEM NRGNFLEIKNKFLARRFKLLEQALVIEQQLRAAYLNMSEDPHS PSMALNTRFAEVECLAESHQHLSEKSMAGNKPANAVLHKVLQOL RELLSDMKADVTRLPATIARIPPAVAVRLQMSERNILSRANRAP EPTPQQVAAQQQ</p>
6006	1	965	<p>DNDPLRNTVHRHEPPVTAETIRLLAENEDVVVDKPSSTIPVHPC GRFPHNTVIFILGKRHQLKELHPLHRLDRLTSGVLMFAKTAAS ERIEHQVRDRQLEKEYVCRVEGEFPTTEVTCKEPILVVSXKGV CRVDPRGKPCRTVFPQLSYNCQSSVVRCPRLTGRTHQIRVHLQF LCHPILNDPIYNSVANGPSRGRGGYTPKTNEELLRLDLVAHQAK</p>

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			QSLDVLDLCEGDLSPGLTDSAPSSSELGRDDLEELAAAA\QKME EVAEAAPOELDTIALASEKAVETDVMNQ\RQT\TLCRVPAGATG SLAPRPCDVPTCPTL
6007	3	2351	HELQVEYVFTDKTGTLTENEMQPRECSINGMKYQINGRLVPE GPTPDSSEGNLSYLSSLSHLNNLSHLTSSSFRTSPENETELIK EHDLPFKAVSLCHTIVQINNVTQDCTGDPQWQSNLAPSQLEYAS SPDEKALVBAARIGIVFIGNSEETMEVKTGLKERYKLLHILE FSDRRRMSVIVQAPSGEKLLFAKGAESSILPKCIGGIEKTRI HVDEFALKGLRLTLCIAYRKFTSKEYEEDKRFEARTALQOR\B EKLAAPFQPIEKDLILGATAVEDRLQDKVRETIETALRMAGIKV WVLTDGKHRTAVSVSLSCGHFRTMNIELINQKSDSECAEQLR QLARRITEHVHQHGLVVDGTSLSLALREHEKLFMEVCNCSAV LCCRMAPLQAKVIRLIKISPEKPI TLAVGDGANDVSMIQEAHV GIGIMGKEGRQAARNSDYAIARFKFLSKLLFVGHFFYIRIATL VQYFFYKNVCFITPQFLYQFYCLFSQQLYDSVYLTL\NICPT SLPIIYSLLEQHVDPHVLQNKPTLYRDISKNRLLSIKTFLYWT ILGFSHAFIPFPFSYLLIGKDTSLGNGQMFGNWTFGTLVFTVM VITVTVQMALETHFWTWINHLVTWGSIIFFYFVSLEYGILWPF LGSQNMYPVFYQLSSGSANFAIILMVVTCFLDIIKKVDFDRHL HPTSTEKAOLETETNAGIKCLDSMCCFPGEBAACASVGRMLERVI GRCSPTHISRSWSASDPFYTNDRSILTLSTMDSSSTC
6008	4554	1089	AGVRRAGARRGPGRALFAGATAVPPSARRRRRCPAPEHAGPAR ASRPSQETMPOLPVNNLGLSKARKTKVXKLLSDIGLEYCKEHE DFKQFEPNDFYLNKNTTWEDVGLWDPSTLTKNQDYRTKPFCCSACP FSSKFPFSAYKSHFRNVHSEDFENRILINCPYCTFNADKKTLBTH IKIFHAPNASAPSSSLSTFKDKNKNDGLKPKQADSVEQAVYYCK KCTYRDPLYEIVRKHIYREHFQHVAAPIYAKAGEKSLNGAVPLG SNAREESSIHCKRCLFMPKSYEALVQHVIEDHERIGYQVTAMIG HTNVVVPRSKPLMLIAPKPKQDKKSMGLPPRIGSLASGNV\RSLE SQCMVNRLSIPKPNLSTGVNMSSVHLQNNYGVKSVGGYSV GQSMRLGLGNAFVSIPOQSQSVKQLLPSGNGRSYGLGSEQRSQ APARYSLQSANASSLSGQLKSPSLSQSQASRVLCQSSSKPAAA ATGPPPGNTSSTQKWKICTCNELFPENVYSVHFEKEHKAERVP AVANYIMKIHNTSKCLYCNRYLPTDTLLNHMLIHGLSCPYCPS TFNDVEKMAAHMRMVHIDEBMCPKTDSTLSFDLTLQGSHTNIH LLVTTYNLRDAPAESVAYHAQNNPPVPPKPKQPKQEKADIPVKS SPQAAVYKQDVGKTLCPCLFSLKGPISDALAHHLRERHQVIQ TVHPVEKKLYTKICHLGVYTSNMTASTITLHLVHCRGVGKTON GQDKINAPSRNLQSPSLAPVKTYYQMEFPLKKRKLDDSDSP SPFEEKPEEPVVLALDPKGH\EDDSYEARKSFLTKYFT\KQPYT TRRELEKLAASLWV\WK\SDIASHFSNKRKKCVRDCEKYKPGVL LGFNMKELNKVKHMDPFAEGLFENHDEKOSRVNASKTADKILN LGKEDSSSDSFENLEESNESGSPFPDPVFEVRPKISNDNPEEH VLKVIPEDAESEEEKLDQKEDGSKYETIHLTEPTKLMHNASDS EVDQDDVVENKDGASPSSESGPGSQVSDFDNTCEMKPGTWSDE SSQSEARSSKPAKKKATMQGDREQLKWNSSYGKVEGFWSKD QSQWKNASENDERLSNPQIEWQNSTIDSEDGEQFDNMTDGVAEF MHGSLAGVKLSSQQA
6009	4272	1534	CHGLQHLTPFRENLNLQGG*BPH*AA*QAVRSEKKSIC*GSPSC HLVLGLVLPVARQSSHSAGPAQSAFR*TGTSGETPKAAEQSGYW EAYTLGHQHWNMFFIQRPPLVMKGRRIMCGKCKG*VSDSVTGG RAVAGEQASQRRTVFTAGGGECLGAKSVRASVFTGNQPGVMGLL NGKRGGCFESGYLFGFIVIGKIQSLEAKVPLPVNGQTERASPG NCRIHIVDAVC*SEHH*DHFLAAAFLENSTIIS*VAPGSWQDHA VLQKEVQASVRCRGFESVDTAPAGFNAHSPDGLQCEPTTTSVSL FVLAPQDGBGVPPVEGQLVTVLGLVVPQSIRHTFVHTQLFLHP I*KLGA LDVAFLHLTLVCSSEFNAYG*GKNGGTLHLQFAEVS AVTRGSAVQRRPSITISSIHVDTKIQQELHDVWVAGADGVVQWQ DPFVVLGAGIFHLIDDELHQIELSFQRRV*EQCGVKPDSQVPP RPLRVGLLQVGPLVRGGRRVAGRGKRCWRDLFPWRWGLSHRT RDLRGGDRGHVVIVLCRLGSLVGGIGTDELLWFGGR*LIIG

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			<p>I*RGRLSGEWGCGLGRGLFQVSIIGTVSIVHIGQGDHVELGG AGLVERGALHATGQGVREALVQQLLDVGPAGALGLCDGAALFQGP GRVGQLPARGLOVCITLVAQWRMHGRELGGARNPWQALHGAAI CGVGAILLKALSQYFLKGG*RLWCARGQ*PVKKRQRRWRG*TR R*NGLTTHCFN*LI*GAVCCRLVILRWCGLEVHGVT*IHCL GSFPGRLWP*PFISQERPNGHCQWEFRLAVPSWKRWSRWRVRG TWRYGNPLNLL*GAWLGGACGGQQGGPLSTWQACTGPGQAAP LPPFGACRPRTRQRCRTWVCPIAWRQLLAYTRD</p>
6010	1	3533	<p>IMPCGSSRLRGCTHPNEPVS DLSYFDCIESVMENSKVLGESM AGISQNAKTGDLPAFGCECVGIASKALCGLTEAAQAAYLVGIFD PNSQAGHQGLVDPIQFARANQAIQMACQNLVDPGSSPSQVLSAA TIVAKHTSALCNACRIASSKTANPVAKRHVQSASKEVANSTANL VKTIKALDGDPSEDNRNKRRIATAPLIEAVENLTAFASNPEFVS IPAQISSRGSQAQEPILVSAKPMLESSSYLIRTARSLAINPKDP PTWSVLAGHSHTVSDSIKSLITSIRDKAPGQRECDYSIDGINRC IRDIEQASLAAVSQSLATRDDISVEALQEQLTSSVQIEIGHLIDP IATAARGEAAQLGHKGTQLASYFEPILIAAVGVASKILDHQQQM TVLDQTKTLAESALQMLYAAKEGGGNPKAQHTHDAITEAQLMK RAVDDIMVTINFAASEVGLVGMVDAIAEAMSKLDEGTPPEPKG TFVDYQTTVVKSKAIAVTAQEMMTKSVTNPEELGGLASQMTSD YGHAFQGGMAAATAEPPEIGFQIRTRVQDLGHGCIPLVQKAG\</p> <p>ALQVCPTDSYTKRRLIECARAVTEKVSILVLSALQAGNKGTQACI TAATAVSGIADLDTTIFPATAGTLNAENSETFADHRENILKTA KALVEDTKILLVSGAASSTPKLAQAQSSAATITOLAEVVLGAA SLGSDDPETQVVLINAIKDVAKALSDILSATKGAASKPVDPSM YOLKGAAKVMVTNVTSLKTKVAVDEKATRGTRALEATIBCIKQ ELTVFQSKDVPKTSPPRESIRMTKGITMATAKAVAGNSCRQE DVIATANLSRKAVSDMLTACKQASFPDVSDEVTRALRFGTEC TLGYLDLLEHVLVIQKPTPELKQQLAAFSKRVAGAVTELQAA EAMKGTWVDPBDPTVIAETELGAAASIEAAKKLEQLKPRAK PKQADETLDFEQILEAAKSIAAATSALVKSASAAQRELVAQKG VGSIPANAADDGQWSQGLISAARMVAAATSSICEAANASVQGHA SREKLISSAKQVAASATAQLLVACKVKADQSEAMRRLQAAGNAV KRASDNLVRAAQKAAFGKADDDVVVKTQFVGGIAQIIAAQEEM LKKELELEBARKKLAQIRQQQYKFLPTELREDBG</p>
6011	446	1835	<p>LLQPAMRKSPGLSDCLWAWILLSTLTGRSYGQPSLQDELKDNT TVFTRILDRLLDGYDNRRLPGLGERVTEVKTIDIPVTSFGPVS DH DMEYTIIDVFFRQSWKDERLKFPGMTVLRNLNLMASKIWTPTDF PHNGKKSVAHNMTPNKLRLITSDGTLTYTMRITVR\AECPMAP GRDFPM\D\AHACPLKFGSYAYTRAEVVYEWIREPARSVVVAED GSRNLQYDLLGQTVDSGIVQSSSTGEYVVMTHPHLKRKIGYFVI QTYLPCIMTVILSQVSFWLNRESVPARTVFGVTTVLTMTTILSIS ARNSLPEVAYATAMDFIAVCFAPVFSALIEPATVNYFTKRGYA WDGKSVVPEKPKVKVPLIKKNNTYAPTATSYTFNLARGDPGLA TIAKSATIEPKVKPETKPEPKKTENSVS KIDRLSRIAPPLLP GIFNLVYWATYLNREPOLKAPTPHQ</p>
6012	351	5013	<p>PAELFQSFALNHKRLYDWRGLGPWNQCPVISKSLKPLECIKGB EGIQVREIACIQKDKDIPAEDIICEYFEPKPLLEQAQCLIPCCQD CIVSEPSAWSECSKTGSGQLQHRTRHVVAPPQCGSGCPNLTEP QVCQSSPCEAEELRYSLHVGPPWSTCSPMHSRQVRQARRRGRNKE REKDRSGVKDPEARELIKRRNRNRQNRQENKYWDIIGYQTR EVMCINKTGKAADLSFCQKEKLPMTFQSCVITKECQVSEWSEWS PCSKTCHDMVSPAGTRVTRTIRQFPFIGSEKCEPFEKEPCLS QGDGVVPCATYGWRTTEWTECRVDPILLSQQDKRRGNQZALCGGG IQTRVYCVQANENLLSLSLTHKNKEASKPMDLKLCTGPIPNNT QLCHIPCPTCEVSPWSAWGCPCTYENCNDQGGKGFKLKRRIT NEPTGSGSVTGNCPHLLZAIPECEPACYDWAVALRGDCEPDNGK RCGPGTQVQEVVCINS DGEEVDRLCRDAIFPIPVACDAPCPKD CVLSTWSTWSSCSHTCSGKTTEGKQIRARSILAYAGEEGGIRCP NSSALQVRS CNEHPCTVYHMQTGPWGCIEDTSVSSFNNTTTW NGRASC SVGMQTRKVICVRVNVGQVGPKKCPESLRPETVRPCLL</p>

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			<p>PCKKDCIVTPYSDWTSCPS\SCREGDSSIRKQSRHRVLIQLPAN GGRDCTDPLYEKACEAPQACQSYRW\KTHKW\HRCQ\LVP\WS VQODSP\GAQEGCGPGRQARAITCRKQDGGQAGIHECLQYAGPV PALTOACQIPCODDCQLTSWSKFSSCNGDCGAVRTRKRTLVGKS KKKKCKNSHLYPLIETQYCPCKYNAQPVGNWSDCILPEGKVE VLLGMKVQGDIKEOGQYRYQAMACYDQNGRLVETSRCSNHYI ERACIIPCPSDCKLSEWSNWSRCSKSCGSGVKVRSKWLREKPYN GGRPCPKLDHVNQAQYEVVPCCHSDCNQYLWVTEPWSICKVTFV NMRENCGEVQTRKVRMONTADGPSEHVEDYLCDPBEMPLGSR VCKLPCPEDCVISWGPWTQCVLPNCQSSFRQSRADPIRQPADE GRSCPNAVEKEPCNLNKNKYHYDYNVTDWSTCQLSEKAVCGNGI KTRMLDCVRSDEKSDVKYCEALGLEKNWQMTSCMVECPVNCQ LSDWSPWSECSQTCGLTGKMIIRRTVTQPPQGDGRPCPSLMDQS KPCPVKPCYRWQYQWSPCQVQEAQCGEGTRTRNISCVVSDGSA DDFSKVVDREFCADIBLIIDGNKMMVLESCSQPCPGDCYLKDW SSWSLCLTCVNGEDLGFGGIQVRSRPVITQELNQLCPBQML ETKSCYDGCYBYKWMASAWKSSRTVWCQRSDGINVTGGCLVM SQPDADRSCNPPCSQPHSYCSETKTCHCEGYTEVMSNSNLTLEQ CTLIPVVVLPTEMDKRGDVKTSRAVHPTQPSNPAGRGRTWFLQ PFGPDGRLKTWYGVGAAGAFVLLIFIVSMIYLACKKPKKQRRQ NNRLKPLTLAYDGDADM</p>
6013	1161	710	<p>GAFLAGVFPVQFVLIRYPNSLDTTSWAWRGPGVLKVLWLTASQPC SIVDVEFLPVYHPSPEESRDPTLYANNVQVMAQALGIPATECB FVGSPLPVIVVGRLLKVALEPQL/WOTGKSASEGNVAVRRLCGRWGR ARPESENDQPGRVCAATAL</p>
6014	2857	613	<p>EAVAGGMEKSRMNLPGKPDITLCFDKDEFMKEDFDVDHFVSDCRK RVQLEELRDDLELYKLLKTAMVELINKDVADP\VNLSNVLVGM DKALNQLSVPLGLREEVLSLRSSVSEGIRAVDERMSKQEDIRK KKMCVLRLLIQVIRSVEKIEKILNSQSSKETSALASSPLLTGQI LERIATEFNQLQFHACQSK\GMPLLDKVRPRIAGITAMLQOSLE GLLLEGLQTSDDVDIIRHCLRTYATIDKTRDARALVGQVLVKPYI DEVIEQFVESHNPGLQVMYNKLEFVPHHCRLLREVTGGAISS EKGNTVPGYDFLVNSVWPQIVQGLEEKLPISLFPNPNDAFHKY TISMDFVRRLERQCGSQASVKRLRAHPAYHSFNKKNLPPVYQI RFRETAGSLRAALTDVLEDAPEBSPYCLLASHRTWSSLRCNSD EMFLPLLVRHLWRLHSCRFWARYSVFV\N\ELSLRPLSNESPKB IKKPLVTGSKEPSITQGNTEQDQSGSPSETKPVVSISRTQLVYVV ADLDKLEQLPELLEIIPKLEMIKFNFSISAALEDSSQSPS ACVPSLSKIIQDLSDCSFGFLKSALEVPRLYRRTNKEVPTAS SYVDSALKPLFQLQSGHKDKLQAIQQLWLEGLTSESTHYET VSDVLNSVKKMEESLRLKQARKTTPANPVGPGSGMSDDDKIRL QLALDVEYLGELIQLGLQASDIKSPSALAEVAAAKDQATAEQ P</p>
6015	13	2237	<p>AEGCAERRGTEPVVLSMSWESGAGPGLSGQMDLVWSAWYGKC VKGKGSPLSAHGIVVWLSRAEWDQVTVYLPDDHKLQRYALN RITVWRSRSGNELPLAVASTADLIRCKLLDVTGGLGTDELRLLY GMALVRFVNLISERKTKFAKVLKCLAQEVNIPDNIVDLRHELT HKMPHLINDCRRGCYFVLDWLQKTYWCRQLENSLRETWELEEF EGIEEDQEEDKNIVVDDITEQKPEPDDGKSTESDVKADGDSK GSREVDSHCKALKSHKLYERARELLVSYEEQFTVLEKFRYLP KAIAWNNPSPRVECVLAELKGVTCENREAVLDAFLDDGFLVPT FEQLAALQIEYERNVDLNDVLVPKPFQWQPLLRGLHSQNFQ ALLERMLSELPAIGISGIRPTYLRTVLIANTKTGRNARRP SAGQWEARRGWRLFNCSASLDWPRMVESCLGSPCWASPOLLRIT F\KAMGQGLQDE\BQEKLLRISITYQSGENSLVQEGSEASPIG KSPYTLDSLYWSVKPASSFGSEAKAQQKEQGSVNDVKEEKE EKEVLPDQVEEREENDQEEBEDEDDDEEDRMEVGPFTG QESPTARNARLLAQKRGALQGSANQVSSDVWDVTF/LGRMPR SRPRTPAELMLENYDTHVFWTKPVL\BQLEPSTCK\TDTGLL \SCGVGS\GNCSSSSSNPRGAFLLHARGSLH\CL\KTGLQLP AEGCAERRGTEPVVLSMSWESGAGPGLSGQMDLVWSAWYGKC</p>
6016	13	2237	

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			VKGKGSPLPSAHGIVVAWLSRAEWDQVTVYLFCDHKLQRYAIN RITVWRSRSGNELPLAVASTADLRCKLLDVTGGGLGTDRLRLY GMALVRFVNLISERKTRPAKVPLKCLAQEVNIPDWIVDLRHLT HKKMPFINDCRRGCYFVLDWLQXTYWCRLQENSLRETWELEEF EGIEEDQEEEDKNIVDDITQKPEPQDDGKSTESDVKADGDSK GSEEVDSHCKKALSHKELYERARELLVSYREEQFTVLEKFRYLP KAIKAKNNPSRVECVLAEKGVTCENREAVLDAFLDDGFLVPT FEQLAALQIEYENVLDLNDVLPKPPSFQWQPLRLGLHSQNFTQ ALLERMLSELPAIGISGIRPTTYILRWTVBLIVANTKTGRNARRP SAGQWEARRGNRLPNCBASLDWPRMVESCLGSPCWASPOLLRIT F\KAMQGLQDE\BQEKLLRICSIYTSGENSLVQBGSEASPIG KSPYTLDSLNVSKPASSSGSEAKAQQEEGQSVNDVKEKEKE EKEVLDPQVEEEEDNDQEEEDDEDEDEDEDEDRMEVGPFSTG QESPTAENARLLAQKRGALQGSANQVSEEDVRWDTFP\LGRMPR SRPRTPAELMLENYDTHVIFWTKPVL\EQRLPESTCK\TDTLGL \SCGVGS\GNCNSSSSNFPGAPLLBARGSLH\GL\KTGLQLF
6017	203	3469	SHQETIQNSAMAPRRKGRGSIIFCCFRNNDHPEITYRLRND NFALQTMEPALPMFPVEELDMFSELVDELDTDKHREAMPALP AEKKWQIYCSKKKQDEENKATSWPEFYIDQLNSMAARESLAL EKEEBERSKTIESLKALRTKPMRFVTRFIDLDGLSCILNPLK TMDYTESERIHITSLIGCIKALMNSQGRAHVLAHSBINVIAQ SLSTENIKTKVAVLEILGAVCLVPGGHKKVLQAMLHYQKYASER TRPQTLINDLXSTGRYRDEVSLEKTAIMSFINAVLSQAGVESL DFRLHLRYE\FMLGCIHPVMDKLRKHENSTLDRHLDPFEMLRNE DELEFAKRFELVHIDTKSATQMPBLTRKRLTHSEAYPHFMSILH HCLQMPYKRSQNTVQYWLLDRIIQQIVIQNDKGQDPDSTPLEN FNKINVVRMLVNEVEVQWKEQAKMKRKEHNELOQKLEKKEREC DAKTQKEEEMQTLNKMKEKLEKETTEHKQVQKQVADLTAQLHE LSRRAVCASIPGGPSGAPGPGFPSSVPGSLPPPPPPPLPGCM LPPPPPLPPGGPPPPGPPPIGAIMPPPGAPMGLALKKKSIPQ PTNALKSFNWSKLPENKLEGTVWTEIDJTKVPKILDLEDLERTF SAYQRQODFFVNSNSKQKEADAIDTLLSSKLKVKELSVIDGRRR QNCNILLRSLKLNDEIKRAILLTMDQEDLPKDMLEQLLKFPVE KSDIDLLBHHKHELDRAKADRFLFRMSRINHYYQRLQSLYFKK KPAERVAEVKPKVEAIRSGSEEVPRSGALKQLLEVVLAFGNMNV KGQRNWAYGPKISSINKIADTKSSIDKNITLLHYLITIVENKYP SVLNLNEELRDIPQAAKVNMTELDKEISTLRSGLKAVETELEYQ KSQPPQPGDKFVSVVSQFITVASFSFSDVEDLLAEAKDLFTKAV KHFGERAGKITQDEFFGIFDQFLQAVSEAKQENENMRKKKEEEE RRARMEAQLKEQREERERKMRKAKENSRESGEFDDLVSAIRSGEV FDKDLKLRNRKRITNQMTDSSRERPITKLN
6018	13	2510	TISQSGGIRRRREAVWFEVVMDFSRILHMYSPQCVPENTGYTY ALSSSYSSDALDFETEHKLDPVFDSRMSRRSLRLATTACTLGD GEAVGADSGTSSAVSLKNRAARTTKQRETSNKSASFINHVSQV TSSGVSYGGTVSLQDAVTRRPVLDSESWIREQTTVDHFWGLDDD GDLKGGNKAAIQGGDVGAGAATGNGFFCSNCSMLSERKDVLT AHPAAGPVSrvysRDRNQKDDCKGRHLDAHPRAGTLWHIN ACAGYFLLQLLRIGAVGQAVSRTAWSALWAVAPGKAASGVF WNLGIGWYQFVTLISLWNLVFLTRCLRNICKFLVLLIPLFLLLG LSLRGQG\NFFSFLPVLNWSMHRTQRVDDPDQVFKPTTSRLKQ PLQGDSEAFPHWMSGVEQQVASLSGQCHHGENLRELTTLQK LQARVDQMEGGAAGPSASVRDAVGQPPRETDPMFHFQEHVMS HLEDILCKLREKSEAIQKELQTKQRTISAVGEQLLPTVEHLQ ELDQLKSELSSWRHVKTGCETVDAVQERVVDVQREMVKLLFSED QOGGSLEQLLQRFSSQPVSKGDLQTMRLDLQLQTLRNVTTHVSV TKQLPTSEAVVSAVSEAGSGITBAQARAIVNSALKLYSQDKTG MVDFALESGGGSILSTRCSETYETKTALMSLFGIPLWYFQSPR VVIQPDIIYPGNCAFGSQGYLVRLSMMIHPAAFTLEHIFKTL SPTGNISSAPKDPVAVYGLENEYQREGQLIGQFTYDQDGESLQMF QALKRFDDTAFQIVLELIPSNNGHPEYTCLYRFRVHGEVVK
6019	2	1066	TPNDREPPPPQRPSSRRASHLAQETISAASLGDQTQILSLTTA

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			PVITSAIRSMFGISSQILITNAQGVIGTLPWVNSASVAAPAPA QSLQVQAVTQQLLLNAQGVQIATLASSPLPPVAVRK\PSTPES LLKSEVQPIKPTPTVPQPAVVIASPAAPAKPSASAPIITCSET PTVSQLVSKPHPTSLDEGGINLEIRBFKNFKIRRLSLGLTQT QVGQALTATEGPAYSSAICRFEKLDITPKSAQKLKPVLEKWLN EARLRNQEQQNLMEFVGGEPSKIRKRRTSFTPOAIEALNAYFE KNPLPTGQETITEIAKELNYDEVVRVWFNRRQTLKNTSKLNVF QIP
6020	4953	549	EAIQFEVSIIGNYGNKFDTTCKPLASTTQYSRAVFDGNYYYLPLW AHTKPVVTLTSYWEDISHRLDAVNTLLAMAERLQTNIEALKSGI QGKI PANQLAELWLKLIIDEVIEDTRYTLPLTEGKANVTVLDTQI RKLRSRSLSQIHEAAVMRSEATDVKSTLARIEDWLDKLMQLTE EPQNSMPDI IWMIRGEKRLAYARIPAHQVLYSTSGENASGKYC GKTQTI FLKYPQEKNGPKVPVELRVNIWLGLSAVEKKFNSFAE GTFTVFAEMYNQALMFGKMGTSGLVGRHKFSDVTGKIKLKREF FLPPKGWEWECEWIVDPERSLLTEADAGHTEFTDEVYQNESRYP GGDWKPARDITYTDANGDKAASPELTCPGWEWEDDAWSYDINR AVDEKWEYGITIPPDHKKPSWAAEKMYHTRRRRLVRKRKDD LTQTASSTAGAMEELQDQEGWEYASLIGWKFNKQSSDTFRRR RWRKMAPSETHGAAAI FKLEGALGADTTEDGDEKSLKQKHS A TTVEGANTPIVSCNFDYIYHLRCYVYQARNLLALDSDSFPD YAHICFLHRSKTTBIHSTLNPTWDOTIIFDEVEIYGEPTVLQ NPPKVMELFDNDQVGKDEFLGRSIFSPVVKLNSEMDITPKLLW HPVMNGDKACGDVLVTAELILRGKDGSNLPILPPORAPNLYMVP QGIRPVVQLTAIBILAWGLRNMKNFQMASITSPSLVVECGGERV ESVVIKNLKTTPNFSSVLFMKVFLPKELVMPPLVIKVIDHRQ FGRKPVVGQCTIERLDRFRCDPYAGKEDIVPQLKASLLSAPPCR DIVLEMDTKPLASKCLSSMSTALSMAKPATVHLTEKBERIV DWNSKPYASSGEHKKCGQYIQKGYSKLKTYNCELENVARFEGLT DFDSTFKLYRGKSDENEDPSVVGFRKGSFR IYPLPDDPSVPAPP RQFREL PDSVPQECTVRIYIVRGLELQPDNNGLCDPYIKITLG KKVIE\DRDHYIPNTLNPVFGMYELSCYLPQEKDLKISVYDYD TFRDEKVGBTIIDLNPFF\LSRFG\SHCG\IPEEYCVSGVNTN RDSLR\PTQ\LLQNVARFKGFQPOPILSEDSRIRYGGRDYSLDE FEANKILHQLGAPSERLALHILRTQGLVPRHVTRTI\HSTFQP NIS\RYLYRVIWNTKDVILDEKSI TGEEMSDIYVKGWIPGNBE NKQKTDVHYRSLDGEENFNWRFPFPDYLPAEQLCIVAKKEHFW SIDQTEFRIPPR\LIQIW\DNCKYS\LDDYLGFPRTLTCHRTI HFLQKSPGGNC/RGLDMIPDLKAMNPLKARTASLFEQKSMKGWW PCYAEKDGARVMAGKVEMTLEILNEKEADERPAGKGRDEPNMNP KLDLPNRPSTSLWFTNPCKTMKFIWRRFKWVIIGLLFLILL LFAVAVLLYSLPNYLSMKIVKPNV
6021	4953	549	EAIQFEVSIIGNYGNKFDTTCKPLASTTQYSRAVFDGNYYYLPLW AHTKPVVTLTSYWEDISHRLDAVNTLLAMAERLQTNIEALKSGI QGKI PANQLAELWLKLIIDEVIEDTRYTLPLTEGKANVTVLDTQI RKLRSRSLSQIHEAAVMRSEATDVKSTLARIEDWLDKLMQLTE EPQNSMPDI IWMIRGEKRLAYARIPAHQVLYSTSGENASGKYC GKTQTI FLKYPQEKNGPKVPVELRVNIWLGLSAVEKKFNSFAE GTFTVFAEMYNQALMFGKMGTSGLVGRHKFSDVTGKIKLKREF FLPPKGWEWECEWIVDPERSLLTEADAGHTEFTDEVYQNESRYP GGDWKPARDITYTDANGDKAASPELTCPGWEWEDDAWSYDINR AVDEKWEYGITIPPDHKKPSWAAEKMYHTRRRRLVRKRKDD LTQTASSTAGAMEELQDQEGWEYASLIGWKFNKQSSDTFRRR RWRKMAPSETHGAAAI FKLEGALGADTTEDGDEKSLKQKHS A TTVEGANTPIVSCNFDYIYHLRCYVYQARNLLALDSDSFPD YAHICFLHRSKTTBIHSTLNPTWDOTIIFDEVEIYGEPTVLQ NPPKVMELFDNDQVGKDEFLGRSIFSPVVKLNSEMDITPKLLW HPVMNGDKACGDVLVTAELILRGKDGSNLPILPPORAPNLYMVP QGIRPVVQLTAIBILAWGLRNMKNFQMASITSPSLVVECGGERV ESVVIKNLKTTPNFSSVLFMKVFLPKELVMPPLVIKVIDHRQ FGRKPVVGQCTIERLDRFRCDPYAGKEDIVPQLKASLLSAPPCR

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			<p>DIVIEEDTKPILLASKCLSSMSTALSKMASPATVHLTEKEERIV DWNSKFYASSGGEHEKCGQYIQKGYSKLKIYNCELENVAELEGIT DFSDTFKLYRGKSDENEDPSVVGEPKGSFRIYPLPDDPSVPAPP RQFRELPSVPOECTVRIYIVRGLELQPDNNGLCDPYIKITLG KKVIE\DRDHYIPNTLNPFVFGMYELSCYLPQEKDLKISVYDYD TFTRDEKVGETIIDLENPF\LSRFG\SHCG\IPEEYCVSGVNTW RDSLR\PTQ\LLQNVARFGFPQPILEDGSRIRYGGRDYSLDE FEANKILHQHLGAPBERLALHILRTQGLVPEHVETRTLHSTFQP NIS\RYTLRVIWNTKDVILDEKSTIGREMSDIYVKGWIPGNEE NKQKTDVHYRSLDGENFNWRFVFPDYLPABQLCTIVAKKEHFW SIDQTEFRIPPR\LIQIW\DNKFS\DDYLGFPRTLTCRHTI HPLQKSPGNC/RLDMIPLDKAMNPLKAKTASLFEQKSMKGW PCYAEKDGARVMAGKVMTLEILNEKEADERPAGKGRDEPNMNP KLDLNP RPETSFLWFTNPCKTMKPIVWRRFKWVIIGLLFLILL LFVAVLLYSLPNYLSMKIVKPNV</p>
6022	4953	549	<p>EAIQFEVSTIGNYCNKFDITCKPLASTTQYRAVFDGNYYYLW AHTKPVVLTLSYWEDISHRLDAVNTLLAMAERLQTNIRALKSGI QGKI PANQALAEWLKLIIDEVIDTRYTLPLTEKANVTVLDITQI RKLRSRLSQIHEAAVMRSEATDVKSTLAEIEDWLDKIMQLTE EPQNSMPDIIIMIRGEKRLAYARIPAHQVLYSTSGENASGKYC GKTQTLFLKYPQKNGPKVPVELVNINLGLSAVEKKFNSPAB GTFTVFAEMYENQALMPKNGTSGLVGRHKFSVDTGKIKLKREF PLPPKGWEWEGEWIVDPERSLLEADAGHTEFTDEVYQNESRYP GGDWKPAEDTYTDANGDKAASPELTCPPGWEWEDDAWYDINR AVDEKGEWYGITIPDHKPKSWVAEKMYBTHRRRLVRKRXD LTQTASSTAGAMEELQDQEGWEYASLIGWKFHWKQSSDTFRFR RWRRKMAPSETHGAAAI FKLEGALGADTTEDGDEKSLKQKHS TTVFGANTPIVSCNFDYIYHLRCVYVQARNLLALDKDSFSDP YAHICPLHRSKTEIIESTLNPTWDTIIFDEVYIYGEPTVLQ NPPKVMELFONDQVGKDEFLGRSIFSPVVKLNSEMDITPKLLW HPVMNGDKACGDVLTABLILRGKDGSNLPLPPQRAPNLYMVP QGIRPVVQLTAIEILANGLNKNFQMASTSPSLVVECGERV ESVVIKNLKKTPNPFSSVLFMKVFLPKSELYMPLVIKVIDHRQ WGRKPVVGQCTIERLDRFCDPYAGKEDIVPQLKASLLSAPP DIVIEEDTKPILLASKCLSSMSTALSKMASPATVHLTEKEERIV DWNSKFYASSGGEHEKCGQYIQKGYSKLKIYNCELENVAELEGIT DFSDTFKLYRGKSDENEDPSVVGEPKGSFRIYPLPDDPSVPAPP RQFRELPSVPOECTVRIYIVRGLELQPDNNGLCDPYIKITLG KKVIE\DRDHYIPNTLNPFVFGMYELSCYLPQEKDLKISVYDYD TFTRDEKVGETIIDLENPF\LSRFG\SHCG\IPEEYCVSGVNTW RDSLR\PTQ\LLQNVARFGFPQPILEDGSRIRYGGRDYSLDE FEANKILHQHLGAPBERLALHILRTQGLVPEHVETRTLHSTFQP NIS\RYTLRVIWNTKDVILDEKSTIGREMSDIYVKGWIPGNEE NKQKTDVHYRSLDGENFNWRFVFPDYLPABQLCTIVAKKEHFW SIDQTEFRIPPR\LIQIW\DNKFS\DDYLGFPRTLTCRHTI HPLQKSPGNC/RLDMIPLDKAMNPLKAKTASLFEQKSMKGW PCYAEKDGARVMAGKVMTLEILNEKEADERPAGKGRDEPNMNP KLDLNP RPETSFLWFTNPCKTMKPIVWRRFKWVIIGLLFLILL LFVAVLLYSLPNYLSMKIVKPNV</p>
6023	102	916	<p>SQELCMFVELNLLNTTPDRAEQGKLTLLCDAKTQGSFLVHHPL SFYLKANKVCVFALIQSFHSYIVGQKLGVSITMARERGQLVF LGL/IVCSGR/VFQAQKEPFLQLREANAGNLKPLFEFVREA LKPVDGSEARWTPVILVDDLSVLLSLGMGAVAVLDFIHYCRAT VCWELKGNMVLVHDSGDAEDEENDILLNGLSHQSHLILRAEGL ATGFCRDVHIGQLRILWRRSPQAVHRDQSFTYQYKIQDKSVSFF AKGMSPAVL</p>
6024	3	3260	<p>FLSPLCYPRFCLFCLQPAIPASRMEQLNELELMEKSPWEEAB LPABLFQKKVVASFPRTVLSTGMDNRYLVAVNTVQNKSGNCEK RLVITASQSLENKELCILRNDWCSVPVEPGDIHLEGDCTSDTW YIDKDPGYLILYPMLISGTSIASSIRCRRRAVLSETFRSSDPA TRQMLIGTVLHEVFQKAINNSFAPEKLOELAFQTIQIRHLKEM</p>

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			YRLNLSQDEIKQEVEDYLPSECKNAGDFMHKNTSTDFPOMQLSL PSDNSKDNSTCNIEVVPMDIEESINSPRFLGKIDVTVGVKI HRGYKTKYKIMPLELKTGKESNSIEHRSQVVLVTLTQERRADP EAGLLLYLKTGQMPVPANHLDKRELLKLNQMAPSLFHRISKS ATRKITQLASLPQIEEERTCKYCSQIGNCALYSRAVEQQMDCS SVPIVMLPKIBETQHLKQTHLEYFSLWCLMLTLESQSKDNKKR HQNIWMLPASEMEKSGSCIGNLIRMEHVKIVCDGQYLHNFQCKH GAIPVNLIMAGDRVIVSGEERSLFAISRGYVKEINMTTITCLLD RNLVLPBSTLFRLDQEEKNCIDITPLGNLSKLMENTFVSKKL DLIIDFRBPQFISYLSVLPFDADTVACILKGLNKPQRQAMKK VLLSKDYTLIVGMPGTGKTTICTLVRILYACGFSVLLTSYTHS AVDNILLKLAKFKIGFLRSR\QIQKVHPAIQQTSEHCISKS I KS\LALLEELYTSQLIDATTCMGINHPIPSRKIFDFCIVDEASQ ISQPICLGPLEFRRFVLVGDHQQLPPLVLNREARALGMSSESLF KRLEQNKSAVVQLTVQYRMMSKIMSLSNKLTYBGKLECGSDKVA NAVINLRHFKDVLELFPYADYSDNPMLMGVFPNPNVCFINTD KVPAPQVEKGGVSNVTEAKLIVFLTSIFVKAGCSPSDIGITAP YRQQLKIINDLLARSIGMVEVNTVDKYQD\RDKSIVLVSFVRSN KDGTVGELLKDWRRINVAITRAKHKLILGCVPSLNCYPPLEKL LNHLNSELKIIDLPSREHESLCHILGDFQRE
6025	3977	89	GGFPAQSDHLPVPFPLRSDLITMSTLYVSPHPDAPPSLRALIA ARYGEAGEGPGWGAHPRICLPPTSRSTSFPPRLFALEQGGPG GLWVWGATAVAQLLWPAAGLGGPGSRAAVLVQQWVSADTELIP AACGATLPALGRSSAQDPQAVLGALGRALSPLSEWLRLHTYLA GBAPTADLAATAVALLLPFRYVLDPPARRIWNVTRWFTCVRQ PEFRAVLGEVVLVYSGARPLSHQPGPAPALPKTAAQLKKEAKKR EKLEKFQKQKIQQQPPPEGKKPKPEKREKRDGPVITYDIPTP PGEKKDVSGEMPDSYSRPRYVEAANYFWNEQCFKPEYGRPNVS AANPRGVFMMCIPPPNTVGSLLHGHALTNAIQDSLTRWHRMRGE TTLWNPGCDHAGIATQVVVEKKLWREQLSRHQLGREAFQGEVW KWKBEKGDRITYHQLKGLGSSLDWDRACTMDPKLSAAVTRAFVR LHEBGIYRSTRLVNWSCTLNSAISDIKVDKKELTGRTLLSVPG YKEKVEFGVLVSFAYKVQGSDDSEEVVATRIETMLGDVAVAV HPKOTRYOHLKGNVNHPLSRSLPIVDFEVDMDPGTGAUKIT PAHDQNDYEVGQRHGLEAISIMDSRGALINVPPFLGLPRFEAR KAVLVALKERGLFRGIEDNPMVPLCNRSKDVVEPLLRQWYVR CGEMAQAASAATAVTRGDLRLPERHQRTWHAMDNIRE\WCMPPG KLWNG\HR\IPAYFVTVDPAVPPGKDPDGRYVNSGRNREARE KAAKEFGVSFDKISLQODEVDLDTWFSGLFPLSLGWPNQSED LSVFYPTLLETGHDILFPWVARMVMLGLKLTGRLLPFREVYLHA IVRDAHGRKMSKSLGNVIDPLDVIYGISLQGLHNQLNLSNLDPS EVEKAKEGQKADFPAGIPECCTDALRFGLCAYMSQGRDINLDVN RIILGYRHFCNKLWNAKPAIRGLGKGFVPSPTSQPGGHESLVDR WIRSRLEAVRLSNQGFQAYDFPAVTTAQYSFNLKCDVYLEC LKPVLNGVDQVAABCARQTLTYCLDVGLRLLSPPFMPFVTEELFQ RLPRRMPQAPPISLCVTPYPEPSECSWKDPEARAALALALSITRA VRP\LRADYNLHPEBSGPTCFLEVAD\EATGALASAVSGYVQGGP QAQVVVAEAPWGLPAP\QCAVALASDRCSI\HLQLOG\LLDP ARELG\KLQ\AKRVEAQ\ROAQ\RLR\ERRA\ASGNPVKVL\VE VQEADEAKLQQTAEALRKVDRAIALFQKML
6026	2674	514	GPITFLKKKAKMKDMLRIHVLLGLATTLVQAVDKKVDCCPRLC TCBIREWFTPRSITYMEASTVDCNDLGLLTPPARLPANTQILLQ TNNIARIYSTDFPVNLTGDLDSQNNLSVTVNINGKMPQLLSV YLEENKLTPEKCLSELSNLQELYINHNLLSTISPGAFIGLHN LLRLHLNSNRLQMINSKNFDALPNLEILMIGENPIIRIKDMNPK PLINLRSLVIAGINLTETPDNALVGLLENLESISFYDNRLIKVPH VALQKVNLKFLDLNKNPINRIRRGDFSNNMLHLKELGINNMPEL ISIDSLAVDNLPLRKIEATNNPRLSVIHPNAPFRLPKLESIML NSNALSALYHGTIESLPNLKEISIHNSPIRCDVCVIRWMNMKNIN IRFMEBDSLCFVDPPEFQGNVQVHFRDMMELCLPIAPESFP SNLNVAGSYVSFHCRTA\BQPEIYWIITPSGQKLEPNT\LTLD

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			KFYVHSEOTLDINGVTPKEGGLYTTCIATNLVGADLKSVMIKVDG SFPQDNNGSLNLIKIRDIQANSVLVSWKASSKILKSSVKWTA TENSAAQASARIPSDVKVYNLTHLPSTBYKICIDIPTIYQKNR KCVNVTTKGLHPDQKYEKNNTTTLMACLGGLLIGVICLIS CLSEPMNCDDGHSYVRNVLQKPTFALGELYPLINLWEAGKEKS TSLKVKATVIGLPTNMS
6027	5254	4148	GGRRAPGRPGRSIKDEEETVFEVVSFSPDPLPVRYDKOTTK PISFYLSLELLAWKPRLEDGFVVALEPLACRQPLSSQRPRT LLCHDMGGYLDLDRFIQGSVVQTPYAFYHQCIDVFPVPSHTV TIPVGVWNTAHRHGVCLGTFITEKNEGGRLCRAFLAGDERSY QAVADRLVQIT\RFRRFDGWLINTENSLAAVGNMPPFLRYLT TQLHRQVPGGLVLWYDSVVQSGQLKWQDELNQHNRPVFPDSCDGF FTNWNKREHLEMLGQAGERRADVYGVDFARGNVVGGRRFDT DKVGGGFRPRASGPVPLGPHPLMDLPPPSAPQRNDSSCSSQSG DPVALNRNCPAPAKLCPH
6028	120	3432	NCLLIQAKGPHGEIEDLQOWLTDTERHLLASKPLGLPETAKEQ LNWHMEVCAAFEAKEETYSKLSMQGQQLARCPKSAFTNIDQDI NNLKEKWESVETKLNRR\KT\KLREAINLA\MEFHNSL\QDPIN WLTQAEQTLNVA SRPSLILDTVLQIDEHKVPANENVNSHREQII ELDXTGTTHLYFSQKQDVVLKNNLISVQSRNEKVVRIVERGR SLDDARKRAKQFHEAWSKLMELRESEKSLDSELELANDPDKTK TQLAQHKEFKSLGAKHSVYDTTNRGTGRSLKEKTSLADDNLKLD DMLSELRDKWDTICGKSVBERQNKLEEA\LLFSGQPTDALQALID WLYRVEPQLARDQPVHGDIDLVMNLIDNHKAPQKELKRTSSVQ ALKRSARELIEGSRDDSSVVKVQMQLSTRWETVCALSISKQTR LEAALRQAEFFHVVHALLENLAEEQTLRFHGVLPDDDALRT LIDQHKFEFMKLEEKRAELNKATTMGDTVLAICHPDSTITIKHW ITIRARFEVLAWAKHQQRASALAGLIAQELLEALLAWLQ WAEETLTDKDEKVIQBIIEVKALIAEHQTFMEEMTRKQPDVDK VTKTYKRRADPSSLSQSHIPVLDKGRAGRKRPPASSLYPSGSQT QIBTKNPRVNLVSKWQVWLLALEERRKLNDALELREFA NEFDIWRKKYMRNMNHKKSVMDFRRIDKQDQKCTRQEFID GILSSKFPTSRLEMSAVADIFDRDGDGYIDYEFVAALHPNKDA YXPITDADKIEDEVTRQVAKCKCAKRFQVRQIGDNKRYFFLGNO PGDSQQLRLVRLRSTVMVRVCGGWMALDEFVKNPDCRAXGRT NMBLREKFTLADGASQGMARPRGRRSRPSSRGASPNRSTSVS SQAAQAASQVPATTTPKILHPLTRNYGKPLTNSKMTPTCKAA ECSDFPVPSARGTPIQGSKLRLPGYLSGKGFHSGEDSGLITTA ARVRTQPADSKKTPSRPSRAGSKAGSRASSRRGSDASDFDISE IQSVCSDEVETVPQTHRTPRAGSRPSTAKPSKIPTQRKSPASK LDKSSKR
6029	1	3533	IMPCGSSRLLRGCWTHPNEPVSDLSYFDCIESVMENSKVLGESH AGISQNAKTGDLPAFGECVGLASKALCGLTEAAAQAAVLVGI PNSQAGHQGLVDP IQFARANQAIQMACQNLVDPGSSPSQVLSAA TIVAKHTSALCNACRIASSKTANFVAKRHFPVQSAKEVANSTANL VKTIKALDGDSEDNRRNKRILATAPLEAVENLTAFASNPRPV IPAQISSEGSQAQEPILVSAKPMLESSSYLIRTARSLAINDKDP PTWSVLAGHSHTVSDSIKSLITSIRDKAPGQRECDYSIDGINRC IROIEQASLAASQSLATRDDISVEALQEQLTSVVOEIGHLIDP IATAARGEAQGLGHKGTQLASYFEPLILAAGVASKILDHQQM TVLDQTKTLAESALQMLYAAKEGGGNPKAQHTHDAITEAAQLMK EAVDDIMVTLNEAASEVGLVGGMVDAIAEAMSKLDEGTPPEPKG TFVDYQTTVVKYSKALAVTAQEMMTKSVTNPEELGGLASQMTSD YGLAFQGGMAAATAEPEEIGFQIRTRVQDLGHGCI FLVQKAG\ ALQVCPTDSYTKRLIECARAVTEKVSLLVLSALQAGNKGTQACI TAATAVSGIIADLDTTIFATAGTLNAENSETFADHRENTLTKTA KALVEDTKLLVSGAASDPDLQAQAQSSAATITQLAEVVLGAA SLGSDDPETQVVLINAIKDVAKALSDLSATKGAASKPVDDPSM YQLKGAAKVMVNTVTSLLKTVKAVEDEATRGTRALEATIECIKQ ELTVFQSKDVPEERTSSPEESIRMTKGITMATAKAVAAGNSCROB DVIATANLSRAVSDMLTACKQASFHPDVSDVTRALRPGTEC

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			<p>TLGYLDLLEHVLVILQKPTPELKQQLAAFSKRVAGAVTELIQAA EAMKGTIEWVDPEDPTVIAETELLGAAASIEAAKKLEQLKPRAK PKQADETLDFEEQILEAAKSIAAATSALVKSASAAQRELVAQGK VGSIPANAADDGQWSQGLISAARMVAAATSSLCEAANASVQGH SBEKLISSAKQVAASTAQLLVACKVKADQDSEAMRRLQAAGNAV KRASDNLVRAAQKAAFGKADDDVVVKTKFVGGIAQIIAAQEM LXKERELEERARKLAQIRQQQYKFLPTLREDEG</p>
6030	3	1777	<p>FPGRGSPALQLEVLICLGLMLERALNVLAPIFYRNIVNLTEN APWNSLANTVTSYVFLKFLQGGGTGSGTFVSNLRTFLMIRVQOF TSRRVELLIIFSHLHLSLRWHLGRRTGEVLRADRGTSVVTGLL SYLVFNVIPTLADIIIGIIYFSMFFNAWFLIVPLCMSLYLTLT IVVTEWRTKFRAMNTQENATRARAVDSLINFETVKYINAEYSY VERYREAI IKYQGLEWKSSASLVLLNQTNLVIGLGLLAGSLC AYFVTEQKLQVGDYVLPGTYYIIQLYMPLNWFGTYYRMIQTNFID MENMFDLLKK\ZTEVKDLPAGAPPRFQKRIEFENVHFSYADGR ETLQDVSPPTVMPGQTLALVGPSPGAGKSTILRLLPFYDISSGCI RIDGQDISQVTOALFRFSHWELCPKDTVLNDTIADNIRYGRVT AGNDEVRAAAQAAGIHDAIMAFPEGYRTQVGERGLKISGGGKQR VAIARTILKAPGITLDEATSAIDTSNERAIQASLAKVCANRTT IVVAHRLSTVVNADQILVIKDGCI VERGRHEALLSRGGVYADMW OLQQQOETSSEDTKPQTMER</p>
6031	160	1694	<p>LRMSENLDKSNVNEAGSKSNDSEGLEDAVEGADREALQKATKS DSSSPQVRQPHSSPPRFVTEBILLETARGVTNMLAHEIVVNG DFQIKPVELPENSLLKKRVKIVHKAFWDCLSVQLSEDPFAYDHA IKLVGEIKETLLSFLLPGHTRLRNQITEVLDDLKQBAENGAL DISKLAEFIIGMMGTLCAPARDBEVKKLKDKEIVPLPREIFSV LDLMKVDMANFAISSIRPHLMQSQVEYERKKFQERILERQPNSLD FVTQWLEKASEDLMTQYKHALPVGCMAGSGDMPRLSPVAVQN YAYLKLKWDHLQRPFPETVMDQSRFHQLQ\REQTLILGAV LLVTFMSAAPGISQADFAEKLKMIKVLILLTDMHLPSPHLKDVLT TTIGKVCLEBVSSCLSLCGSSPFTTDKETVLKGQIQAVASPDPP IRRIMESRLTFLETYLASGHQKPLPTVPGGLSPVQRELEEVAI KFARLVNINQMVFPCPYDAILSKILLVRS</p>
6032	39	2415	<p>AARLCRAQPTKSAMMIRDLSKMPQTRHPAPHQPAQPPKFTISE SCDRIKEEFQFLQAYHSLKLECEKLA SEKTEMQRHYVMYYEMS YGLNIEMHKQAEIVKRLNAICAVIPFLSQEHQQQVQVAVERAK QVTMAELNAIGQQQLQAQHLSHGHGLPVPLTPHPSGLQPPAIP PIGSSAGLLALSSALGGQSHLPDKDEKHHNDHQDRDSDIKSS SVSPSASFRGAEKHRNSADYSSESKKQKTEKEITAARYDSGEEK SDDNLVVDVSNEDPSSPRGSPAHSPRENGLDKTRLLKKDAPISP ASIASSSSTPSSKSKELSLNEKSTTPVSKSNTPTPTDAPTGPS NSTPGLRPVPGKPPGVDPGLASSLRTPMAVPCPYPTPPGIVPHAG MNGELTSPGAAAYAGLHNISQMSAAAAAAYGRSPVVGFD PHHMRVPAIPNLTGIPGGKPAYSPHVSADGQMOPVPPFDAL IGPGIPRHARQINTLNHGEVVCVATISNPTRHVYTGCGKCVKVV DISHPGNKSPVSQLDCINRDNYIRSCRLLPDGRITLVGGEASTL SIWDLAAPTFRIKARLTSSAPACYALAI SPDSKVCFCSSDGNL AVWDLHNQTLVRQFGHTDGASCIDISNDGTLKNTGGLDNTVRS W\DLREGRQLQOHD/FFTSPVFLGYCP\TEEWLAVGMENSN/V EVLHVTKPKDYQLHLHESCVLSLKFACGKWF\VSTGKDNLLNA W\RTPYG\ASIP\QSKSSS\VLSCDI\SVDDKYIVTGS\GDK\ RATVYEVY</p>
6033	39	2415	<p>AARLCRAQPTKSAMMIRDLSKMPQTRHPAPHQPAQPPKFTISE SCDRIKEEFQFLQAYHSLKLECEKLA SEKTEMQRHYVMYYEMS YGLNIEMHKQAEIVKRLNAICAVIPFLSQEHQQQVQVAVERAK QVTMAELNAIGQQQLQAQHLSHGHGLPVPLTPHPSGLQPPAIP PIGSSAGLLALSSALGGQSHLPDKDEKHHNDHQDRDSDIKSS SVSPSASFRGAEKHRNSADYSSESKKQKTEKEITAARYDSGEEK SDDNLVVDVSNEDPSSPRGSPAHSPRENGLDKTRLLKKDAPISP ASIASSSSTPSSKSKELSLNEKSTTPVSKSNTPTPTDAPTGPS NSTPGLRPVPGKPPGVDPGLASSLRTPMAVPCPYPTPPGIVPHAG</p>

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			MNGELTSPGAAYAGLHNISPMASAAAAAAAYGRSPVVGFD PHHIMRVPAIPNLTGIPGGKPAYSEHVSADGQMPPVFPFDAL IGPGIPRHARQINTLNHGEVVCVATISNPTRHVYTGKGCVKVW DISHPGNKSPVSQLDCLNRDNYIRSCRLPDGRTLIVGGEASTL SIWDLAAPTPIKARLTSSAPACYALAI SPDSKVCSCCSGDI AVWDLHNQTLVRQFGHFDGASCIDISNDGTLKWTGGLDNTVRS W\DLRGRQLQHD/FFTSPVPSLGYCP\TEBWLAVGMENSN\V EVLHVTKPKYQLHLHESCVLSLKFAHCGKWF\VSTGKDNLLNA W\RTPYG\ASIF\QSKSSS\VLSCDI\SVDDKYIVTGS\GDK\ RATVYKVIY
6034	2683	714	ESGRRRLKRRRSPCPGTAGGPGETNPGPGACPRGPREEAAAAM EIAPOEAPPVPGADGDI EAPAEAGSPSPASPPADGRLLKAAKR VTFPSDEDIVSGAVEPKDPWRHAQNVTVDEVIGAYKQACQKLN RQIPKLLRQLQEFIDLGHRLDCLDLKGEKLDYKTCRALREVFKR LQFKVVDLEQINLDEDGASALFDMIEYYESATHLNI SPFKHIGT RGWQAAAHMRKTSCLQYL\DARNTPLLDHSAFFVARALRIRRS LAVIHLNENASLSGRPLMLLATAIKMMNMLREYL\ADNKLNGLO DSAQLGNLLKFNCSLQILDLRNNHVLDSGLAYICBGLKEQRKGL VTL\VLWNQLTHTGMAFLGMLPHTQSLLETNLGHNPIGNEGV RHLKNGLSINRSVLRGLASTKLTCEGAVAVAEFIAESPRILLRL DLRENIKTGGLMALS LALKVNHSLLRLDLDRPKKRAVKSPFIE TOKALLAETONGCKRNLVLAREREKEQPPQLSASMPETTATBP QPDDEPAAGVQNGAPSPAPSPDSDSDSDSGEERREBERGERDET PSGAIDTRDTGSSEPQPPPPPPRSGPPLPGLKPEFALALPPFP PPGPEVKGSGCGLEHLSCKNEKELEELLLEASQESGQETL
6035	19	404	SVTYLGIILHKNLGPADPVQLISQTPFSTKQQLSLPLGMVG YFYLWIPGFALLTKPLCKLTENLADIDPKSFSHSSFRSLKTA LENASTIALPDSSQPF\SLHTARVQCVVEILTQGLPLPV
6036	1745	356	LPDVEKLRERRGRKMDSEKGAATSVSNRGRPSRGRPPKLRN SRGGQGRGVKPPHLLAALILARGGSKGIPKNIKHLAVPLIGW VLRAALDSGAFQSVWVSTDHDEIENVAQFGA QVHRSSSEVSKD SSTSLDAIIEFLNYHNEVDIVGNIQATSPCLHPTDLQKVAEMIR EEGYDSVFSVVRHQFRWSEIQKGVREVTEPINLNPARRPRQD WDGELYENGSPFYFAKRHLIEMGYLQGGK MAYEMRAEHSVDIDV DIDWPFAEQRLRYGYFGKEKLBKIKLLVCNIDGCLTNGHIYVS GDQKRIISVDVKAIGISLLKSGIEVRLISERACSKQTLSSLK LDCKMEVSVSDKLAVVDWRKEMGLCKEVA YLGNEVSDDECLK RVGLSGAPADACSTAQKAVGYICKNGRGA\IREFAEHIC\LL MEKOLINFMFKNRNLAVNIGEEK
6037	2936	1919	WTSWMMSSVLTILLFSLQGNKMLNYSAPSAGGYLLPRKPVGT GGGFPRRHSTVLPSSKFRQNLSSLKGEPAALSSRDSRFRDR SFSEGGERRLLPTQKQPGGQVNSSRYKT\ELCRPFENGACKYG DKCQPAHG IHELSLTHRPKYKTEL CRTFTHTIGFCPYGPRCHFI HNARERRALAGARDLSADRPRLOHSPSFAGFPSSAAATAATGLL DSPTSITPPPI LSADDLLGSPTLPDGTNNPF\AFSSQELASLEA PSMGLPGGGSPTTFLFRPMSES PHMFDSPPSPQDSLSDQSGYLS SSSSSHSGSDSPTLDSNRRLPIFSRLSISDD
6038	1450	426	SSALQEFGRNHTFGVPLPHRRKQITSCNICQLRFNSDSQAAAH YKGTKHAKKLKALEAMKNQKSVTAKDSARTTFTSITNTINTS SDKTDGTAGTAPAI STTTTVEIRKSSVMTTETTSKVEKSPPTATG NSSCPSTETEEBKAKRLI\YCSLCKVAVNSASQLEAHNSGT TMLEARNSGSTIKAPPRAGVKGKGPVNKGNTGLQNKTFHCBICD VHVNSETLQKHISRRHKDRAAGKPKPKYSPYNKLQKTAHPL GVKLVPKSPKPLAPRILENPLAAAAAAAVAVSSPFLRTAP AATLQTSALPALLKPAAGPIRTAHTPVLFAPY
6039	4073	1000	LDEYEARLTLANLDDPFEDNEDDENRVNQEKAAKITELINKL NFLDRABKDLATVNSNPFDDPDAEELNPFDDPDEEPTITETASP RKTEDSFYNNSYNPFKEVQTPQYLNPFDEPEAFVTIKDSPPQST KKKNIRPVDMSKYLADSSKTEEBELDESNPFFYEPKSTPPPNL VNPVQLETERRVKRAKAPPVLSPKTGVLNENTVSAGKDLSTS

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			PKPSPPIPSVPLGRKPNASQSLVNCKEVTKNYRGVKITNPTTSW RNLGSCAILHHRFPDLIDYKSLNPQDIKENNKKAYDGFASIGI SRLLEPSDMVLLAIPDKLTVMTYLYQIRAHFSGQELNVVQIEEN SSKSTYKVGNYETDTNSSVDQEKPYAELSDLKREPELQQPISGA VDFLSQDDSVFVNDSCVGESESEHQTPDDHLSPTASPYCRRTK SDTEPQKSQSSGRTSGSDDPGICENTOSTQAQVLLGKKRLKKA ETLELSDLYVSDKKKQMSPPFICEETDEQKLTLDIGSNLEKEK LENSRSLCERDPSPIKKTSLSPSTSKLGYSTSRDLDAKKKHA SLRQTESDPPADRTTLNHADHSSKIVQHRLLSRQEKELKERARVL LEQARRDAALKAGNKHNTNTAAPPFCNRQLSDQDEERRRQLRRR ARQLIAEARSQSGKMSLPYSGERAACKLKERSKASGDENDNIEI DTNEEIPGPFVVGCGDELTNLENDLTPQNSKLVLDLKLKLLS VQPVVANSFSSAAQKAVTESSEQDMKSGTEDLRTERLQKTERF RKPVPVSKDSTVRKTQLQSFQYIENRPEMKRQRSIQEDTKKGN EKKAAITETQRKPSDEVLNKGFKDS\SQYVVGELAALENEQKQ IDTRAALVEKRLRYLMDTGRNTEEEAMQEWFMVKNKALIR RPNQLSLLEKHEHLERRYELNRELRLAIAIEDWQKTRAQKRRE QLLLDE\VALVNKRDALVRDIJAQEKQAEKEDEHLERTLEQNRG KMAKKEKCVLQ
6040	475	1052	PTALMTAPSCAFFVQFRQPSVSGSLQITKSLYISNGVAANNKLM LSSNQITMVINVSVEVVNTLYEDIQYMQVFPVADSPNSRLCDFFD PIADHHSVEMKQGR\TLHCAAGVSRSAALCLAYLMKYHAMS LDAHTWTKSCRPIIRENSGFWEQLHYEQFLGKNTVHMVSSPV GMIPDIYEKEVRLMIPL
6041	2	3886	TEKDEKTAHNLENVLIHFWERLSEICVAKISEFEADVESVLGVS NLLQVLQKPKGSLKSSKKKNGKVRPADEILESNKSEKCVSSEG EKIECWELTTEPSLTHNSSGLSLPRKKPLEDLVCKLADISINY VNERKSEQHLRFLSTLLDSFSSSRVFMMLGDEKQSIQVQKPLE IAKLQKNPVAVQFLYQKLGWLNEDQKDFGLVDILYSALRCC DNDMERKKVLDLTKVDLKWNSLLKIIIEKACPSSDKHALVTPWL KGDILGEKLVNLADCLCNEDLESRVSSSESHFSERWTLLSLVLSQ HVKNQDYLIGDVYVERIIVRLHETLFTKTKLSEARSSDSSVSFIC DVAYNYFSSAKGCLMPSSSEDLLLTFLQCAQSKKETHLPDFLI CKLNTWLSGVNLVHQTDSSYKESTFLHLSALWLNQVQASSL DINSIQVLLSAVDDLNTLLESEDSYLMGVYIGSVMPNDSEWEK MRQSLPMQWLHRPPLLEGRLSLNYECFKTDFKQDIKTLPSHLCT SALLSKMVLIALRKTIVLKNNELEKIIAELLYSLQWCEBLDNP IFLIGFCEILQKMNITYDNLRLVGNMGLLQLLFNRSREHGTW SLIIAKLILSRSSISSEVKPHYKRKESFPPILEGNLHTIQSLCP FLSKEKKKESFAQCIIPALLGWTKKDLCSNNGGFGHLAIFNSCLQ TKSIDDGLLHGILKIIISWKEHROIFLFSCLNSRASPVLGV NIEIIRFLSLFLKYCSSPLAISEWDFIMCSMLAWLETTSENQAL YSIPLVQLFACVSCDLACDLAFAFFDSTTLDTIGNLPVNLISEWK EFFSQGIHSLLLPILVTVTGENKDVSETSFQNALKPMCSILT ISKQQLSHKLPARLVADQKTNLPEYLQTLNLTAPLLLFRARP VQIAVYHMLYKLMPELPQYDQNLKSYGDEEPEALSPPAALMS LLSIQEDLLENVLCIPVGGIVTIKPLSEDFCYVLGYLLTWKLI LTFPKAASSQLRALYSMYLRKTKSLNKLHYHLFRLMPENPTYAK TAVEVPNKDPKTPTEELQLSIRETTMLPYHIPHLACSVYHMTL KDLPAWVRLWVNSSEKRVFNIIVDRFTSKYVSVLSPOEISSVQT STQLENGMTVKARATTREVMATYTTIRDIVIELIIQLPSNYPLGS IIVESGKRVGVAVQQRNWMQLSTYLTHTQNGSIMBGLALWKN VDRRFEQVEDCMICFSVHGFNYSLPKKACRTCKKHFSA\CLY KNFTSSNKSTCSLCRETF
6042	1306	253	MARLAPASPSDIKASVNSGDTLLCSERQSCGMNEVRQVSLTYP GSPAPSHSLPLQPRSGGSLCPSRAW/PDPHQLFDDTSSAQSRGY GAQRAPGGLSVPAASPTPHAFLADPVSNMAMAYGSSLAQKKE LVDKNIDRFIPITKLYKYFAVDIMYVGRALGLLPPYLLHQDWV QYQDTPVAPREFDVNAPDLYIPAMAFITYVLVAGLALGTQDRFS PDLGLQASSALAWLTBLVLAIIISLYLVTVNTDLTTIDLVAFL GKYKVMIGGVLMGLLFGKIGYLLVWGCVCAIFVFMIRTLRLK

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6043	403	599	TLADAAEGVPVRGARNQLRMYLTMAVAAQPMIMYWLTHLVR LCLFFFPFCATPVLPLPSLISAL/CLSHLSVSSWFCPCQPLPC PLPPLONKTAGKSLSTEQSERG
6044	793	412	KLEMMNFTLISKVKISREVTMIASKFGIGQQVRHSLGVLGVV DIDPVYSLSESPDELAVNDELRAAPWYHVVMEDDNLVPHVYL AEAQLSSBLQDEHP\BQPSMDELAQTIRKQLQAPRLRN
6045	155	2299	SPLPQVAAMNYLRRRLSDSNFMANLPNGYMTDLQRQPPPPPPG AHSPPGATPGGTATAKSSGVAAPASPAAPSPGSSGGGFFSSSL SNAVKQTAAAAATFSEQVGGSGGAGRGGAASRVLLVIDEPHT DWAKYFKGKIHGBIDIKVQABFSDNLVAHANGGFSVDMENVL RNGVKVVRSLKPDFVLIRQHAFSPMARNGDYRSLVIGLQYAGIPS VNSLHVSYNFCDKPWVFAQMVRLHKKLGTEEFPLIDQTFYPNHK EMLSS\TTYPVVVMGHTLWGWKVKVDNQHDQDIASVVALT KTYATAEPFIDAKYDVRVQKIGQNYKAYMRTSVSGNWKNTGSA MLEQIAMS DRYKLWVDTCSEIFGGGLDCAVEALHGKDGDRHIE VVGSSMPLIGDHQDEDKQLIVELVVKMAQALPRQRQDASPRG GSHGQTPSPGALPLGRQTSQQPAGPPAQORPPQGGPPQPGPGP QRQGPPLQORPPPPQGGHLSGLPAGSPPLPQLPSPTSAPQQP ASQAAPPTQGGQGRSRPVAGGPGAPPAARPPASPSQORQAGPPQ ATQTSVSGPAPPKASGAPPGQQQRQGPQKPPGPAGPTRQASQ AGPVPTGPTTQPPRPSGPGAPGRPKPQLAQKPSQDVPPATA AAGGPFPHQLNKSQSLTNAFNLPEPAPPRPSLSQDEVKAKTIRS LRKSPASLPSD
6046	212	1075	EGLTGPCERVFPFLGRGPPHAGTRAGHRAVRWAGPESLPPLPR SLIMDSPRAGTHQGPLDAETEVGADRCTSTAYQQRQVQVQVK QAPLS?GLPAMGGPGPGPCEDPAGAGGAGAGGSEPLVTVTQCA FTVALRRARGADLSSLRALLGQALPHQ\AQLGQLSYLAPGEDGH WVPIPEEESLQRANQDAACPRGLQLQCRGAGGRFVLYQVVAHQ SYSAQGPEDLGRQGDIVDLCEVDQAWLEGHCDGRIGIFPKCF VVPAGPRMSGAPGRLPSSQGGDQF
6047	49	1405	PVLVTSLRMREADTLRPPQIMEVSADIISTVEPNHTGELLATGD KGRVVIHQREPESKNAPHSQGBYDVYSTFQSHPEPFDYLSLE IEBKINKIKWLPPQNAHSLSTNDKTIKLWKITERDKRPEGYN LKDSEGLKDLSTVTSLSQVPLKPMDLMEVSPRRIFANGHTYH INSISVNSDCETMYSADDLRLNLWHLAITDRSFTP\NIVDIKPA NMEDLTEVITASEFPHHCNLFVYSSSKGSLRLCDMRAALCDK ESKLFEEPEPDSNRSSFFSEIIS\SVSDVKFSSHDYMLTR\DYL TVKVDL\NMBARPIETQVHDYLRSLKLSLYENDCIFDKFPCA WNGSDSVIMTGA\YNNFFRMFDRNTKRDVTL\EASRESSKPRAV LKPRRVCVGGKRRRDDISVDSLDFTKKILHTAWHPAENTIIAIAA TNNLYIFQDKVNSDMH
6048	1	3194	GIRTPKFCDSPTSDLEMRNGRGRKMRPNSTNPVNETATASDS KGTSSNSKTRAGANSKRRGSSQNSSBHRPPASSTSEDKASPSS ANKRKNKPLSDMELNSSSEDSKGSKRVRTNSMGSATGPLPGTKV EPTVLDNRNCPSPVLDCPHFNCNKYKHINGLYHQAHATDDD SKPEADGDSEYGEPIILHADLGSCNG\ASVSQK\GSLSPARSAT PKVRLVEPHSPSPSSKFSTKGLCKKKLSGEGDIDLGLSNDGSD DGPSVMDETSDAFDSLRLKCKEKECKKPSGLKEKIPSKSLK SARPI/APLAIPQQIYTPQTATFTAASPGSSSGLTATVAQAMP NSPQLKPIQPKPTVMGEPTVNPALTPAKDKKKKKKKESSKE LESPLTPGKVCRAEGKSPFRESSGNGMKMGLLNGSSDPHQSR LASIKAADKIYSFTDNAPSISIGSSSRLENTTPTQPLTPLHV TQNGARASSVKTNSPAYSDISDAGEDGEGKVDVSKSDAEQLVK EGAKKTLFPPQKSDSPYYQGPESYSPSYAQSSPGALNPSSQ AGVESQALKTKRDEBPESIEGKVNDICEKKPELSSSSQPSV IQORPNMYMQSLYINQYAYVPPYGYSDQSYHTLLSTNTAYRQ YEEQKQKSLGQQQRGVDKAEMGLKEREALKEWKQKPSIPP TLTKAPSLTDLVKSQPGKAKEPGADPAKSVIIPKLDSSSKLPGQ APEGLKVKLSDASHLSKEASEAKTCAECGRQAEMDPILWYRQBA EPRMWTYVPAKYSDIKSEDERNKEERDRKLKEERSRSKDSVPK

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			EDCKESTSSDCKLPTSEESRLQSKBPRPSVHVFPVSSPLTQHQSYPYMHGYSYQSYDPNHPSTYRSMPPAVMMQNYPGSYLPSSYSFSPYGSKVSGGEDADKARASPSVTCKSSSESXALDILQHASHYKSKSPTISDKTSQERDRGGCGVVGSGGSCSSVGGASGGERSVDRPRTSPSQRLMSTHHHHHLLGYSLLPAYNLPYAAGLSSTAIVASQQGSTPSLYPPRR
6049	215	1089	AMTGVFDRRVPSTIRSGDFQAPFQTSAAHHHPQSQESPTLPESATDSJYSPSTGAPHCYCSPTSASYG\KALNPYQYQYHGVNGSAGSYPAKAYADYSYASBYHQYGGAYNRVPSATNQPEKEVTEPEVRMVNGKPKKVRKERTIYSSFLAALORRFQKTOYLALPERAELAASLGLTQTQVKINFQNKRSKIKKIMKNGEMPPEHSPSSSDPMACNSPQSPAVMEPQCSSRSLSHHPAHAPPTSNQSPASSYLENSASWYTSAASSINSHLPPPGSLQHPALASGILY
6050	566	1718	XGLERTCCAMEESDSEKTTTEKENLGPRMDPPLGEPG\GSLGWLPNTAMKKKVLMLMGKSGSGKTSMRSIIFANYIARDTRRLGATILDRIHSLQINSSSLSTYSLVDSVGNKTTFDVEHSHVRFLGNLVLNLWDCCGGQDTFMENYFTSQRDNIERNVEVLIYVPDVESRELEKDMHYQSCLEAILQNSPDAKIFCLVHKMDLVQEDQDRLIFKREEDLRRLSRPLECSCFRTSIWDETLYKAWSSIVYQLIPNVQOLEMNLRNFAEIIIEADEVLLFERATFLVISHYQCKEQORDAHRFEKISNIKQFKLSCSKLAASFQSMEVNRNSNFAAFIDIFTSTNTYVMVMSDPSIPSAATLINIRNARKHFEKLERVDGPKQCLLMR
6051	566	1718	XGLERTCCAMEESDSEKTTTEKENLGPRMDPPLGEPG\GSLGWLPNTAMKKKVLMLMGKSGSGKTSMRSIIFANYIARDTRRLGATILDRIHSLQINSSSLSTYSLVDSVGNKTTFDVEHSHVRFLGNLVLNLWDCCGGQDTFMENYFTSQRDNIERNVEVLIYVPDVESRELEKDMHYQSCLEAILQNSPDAKIFCLVHKMDLVQEDQDRLIFKREEDLRRLSRPLECSCFRTSIWDETLYKAWSSIVYQLIPNVQOLEMNLRNFAEIIIEADEVLLFERATFLVISHYQCKEQORDAHRFEKISNIKQFKLSCSKLAASFQSMEVNRNSNFAAFIDIFTSTNTYVMVMSDPSIPSAATLINIRNARKHFEKLERVDGPKQCLLMR
6052	566	1718	XGLERTCCAMEESDSEKTTTEKENLGPRMDPPLGEPG\GSLGWLPNTAMKKKVLMLMGKSGSGKTSMRSIIFANYIARDTRRLGATILDRIHSLQINSSSLSTYSLVDSVGNKTTFDVEHSHVRFLGNLVLNLWDCCGGQDTFMENYFTSQRDNIERNVEVLIYVPDVESRELEKDMHYQSCLEAILQNSPDAKIFCLVHKMDLVQEDQDRLIFKREEDLRRLSRPLECSCFRTSIWDETLYKAWSSIVYQLIPNVQOLEMNLRNFAEIIIEADEVLLFERATFLVISHYQCKEQORDAHRFEKISNIKQFKLSCSKLAASFQSMEVNRNSNFAAFIDIFTSTNTYVMVMSDPSIPSAATLINIRNARKHFEKLERVDGPKQCLLMR
6053	201	1704	KGTEMNKSRRQSRRRHGRSSHQNPWFRLRDSFDRSDSRAAQPAHDSGHGDDSPSTSSGTAGTSSVPELPGFYFDPEKKRYFRLLPGHNNCNPLTKESIRQKEMBSKRLRLQEEEDRKKIARMGFNASMLRKSQGLFNVNTNYCHLAHELRLSCMERKKVQIRSMDSALASDRFNILADTNSDRLFTVNDVTVGSKYGIINLQSLKTPTLKVFMHENLYFTNRKV\NSVCWASLNHLDLHILLCLMGLARTPGCATLLPASLFFVNSHPAGIDRPG\MLCSFRIPGANSCAWSLNIQANNCFSGLSRRVLLTNVVTGHRQSFNTSDVLAQQFALMAPLLFNGCRSG3IFAIDLRCGNQCKGWKATRLFHDSAVTSVRILQDSQYLMASDMAGKIKLWDLRTTKCVRQYEGHVNEYAYLPIHVHBEGLVAVGQDCYTRIWSLHDARLLRTIPSPYPASKADIPSVAFSSRLGGSRGAPGLLMAVGQDLYCYSYS
6054	1	1054	PPIARLQEFGTSSRRHMAAPSGVHLLVRRGSHRIFSSPLNHIYLIHKOSSSQQRNFFRRQRDISHSIVLPAAVSSAHPVPKHIKKPDYVTTGIVPDWGDSEIVKNEDQIQGLHQACQLARHVLLLAGKSLKVDMTTEBIDALVHREIISHNAYPSPLGYGGPFKSVCTSVNNVLCHGIPDSRPLQDGDIIINIDVTYYNGYHEDTSETPLVGNVDECGKKLVEVARRCRDEAIAACRAGAPFSVIGNTISHITHQNGFQVCFPVGHGIGSYFHGHPKIWHHANDSDLPMEEGMAFTIEPIITEGSPFEKVLDAWTVVSLD/TSKVSAQFHTVLI TSRAQILTKLPHEA

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6055	421	2364	PPYFLLSFLAWNLVGQSDRTETDISQSAGPPFGTLQCSALHHDPCANCSPFCRDCSPACQCHTHVFPGNALNGVQPPBLSTLALI SSREPPRRKKKSQTETGKERERTSFLTQGGKRFELQHLGAGICM TLLITGDSIVSAEAVWDHVTMANRELAPKAGDVIKVLDASNKDW WWQIDDEEGNFPASFVRLWVNHDEVEZEGPSDVQNGHLDPNSD CLCLGRPLQNRDQMRANVINEIMSTERHYIKHLKDI CEGYLKQC RKRRDMFSDEQLKVI PGNIEDIYRFQMGFVRDLKQYNNDDPHL SEIGPCFLHQDGFWYSEYCNNHLDACMELSKLMKDSRYQHFF EACRLQOMIDIA\IDGFLTFPVQKICKYPLQLAELLKTYAQDH SDYRYVAAALAVMRNVTTQINERKRRLENIDKIAQWQASVLDWE GED\LDRSSSELIYTGMAWYQPYGRNQQRVFFLEDHQMVLC KDLIRRDILYYKGRIDNDKYEVVDIEDGRDDDFNVSMKNFVLH NKETEBIHLFFAKKLEKIRWLRAFRRERKMVQEDEKIGFEISE NQKROAMTVRKVPKQKGVNSARSVPPSPYPPQDPLAHGQYLV P\DGIAQSQVFETPEKRSQSPFWQNFSLTPFKK
6056	43	3358	SGGRGPVRVRSEQLSPSAEQVSQISQISLGRPLSSLP PPPSRA LAPTRAPDTALTMEVAEVSPLNPSCKIMTFRPSMEBFREFNK YLAYMESKGAHRAGLAKVIPPKWKPRQCYDDIDNLLIPAPIQQ MVTGQSGELFTQYNIQKAMTVKRFROLANSKYCTPRYLDYBOL ERKYWKNTLTFVAPIYGADINGSIYDEGVDEWNIARLNTVLDVVE EECGISIBGVNTPYLYFGMNKTFPAWHTEDMDLYSINYLHFGEP KSWYALPPEHGRRLERLAQGFPPSSSQCDAPLRHKMTLISPSV LKKYGI PFDKITQAGEFMITFPYGYHAGFNHGFNCAESTNPAT VRWIDYGVAKLCTCRKDMVKISMDIPVRKQPPDRYQLWKQKQD IYTDHTKPTPASTPEVKAWLQRRKVRKASRSFQCARSTSKRP KADBEESVSDEVDGAEVFNPDVTDLLKVSEKSEAAVKLRNTEA SSEEESSASRMQVEQNLSHKLSCNCLSTSVTEDIKTEDDKA YAYRSVPSISSEADDSIPLSTGYEKPEKSDPSKLSWPKSPESCS SVAESNGVLTEGESDVESHGNGLEPGEIPAVPSGERNSFKVPS IAEGENKTSKSWRHPLSRPPARSMTLVKQQAAPSDEELPVLISI EERVERTESWAKPLIHLWQTKPPNFAAEQYVATVARMKPHCAI CTLLMPYHKPDSSNEENDARWETKLDEVVTSEGKTKPLIPEMCF IYSEENIEYSPNAPLEEDGTSLLISCACCCVRVHASCYGIPSH EICDGLCARCKRANWTAECCLCNLRGALKQTKNNKWAHVMCA VAVPEVRFTNVPERTQIDVGRIPLQRLKLCIFCRHRVKRVSGA CIQCSYGRCPASFHVTCAGAGVL\MEPDWPFYVNTICFRHKV NPNVKSACRKYVISVGQTVITKHNTRYYSRVMATVSQTIFYEV MPDGSFSRDTFPEDIVSRDCLGPPAEGEVQVKNPDGKLYG AKYFGSNIAMHYQVEFEDGSQIAMKRBDIYTLDEELPKRVKARF VSAGRCHLGTCCVNSLSPPHVSQAQQETYLGFWINSKKSQCNI FLSGTY
6057	1	853	FVARLKEQEGEGGLPRKEKGRARGRRRRRMQLTRCCFVFLVQ GSYLVVICGQDDPGGSEDPERDDHEGQPRPRVPRKRGHISPKS RPMANSTLLGLLAPPGRAWGILGQPPNRPNHSPPPSAKVKI EFG WGDYFSNIKTVALNLLVTGKIVDHGNGTFSVHPQHNA TGQGNIS ISLVPPSKAVEFHQEQIFIRAKASKIFNC\RMWNEKVE\RGRR TSLFTHDPAKICSRDHAQSSATWSCSQPPKVVCVYIAPYSTDYR LVQKVC PDYNYHSDTPYPSG
6058	1	986	HPLPSASLGLPSVSLGVSLCVRSALLEAVVPMLPKRRRARVGSF SGDAASSTPPSTRFPVATYLVPRMGRSRRAFLTGLARSKGFR VLDACSSSEATHVMEETSABEAVSNQERRMAAAPGCTPPALLD ISNLTESLGAGQVPVPCRHRLEVAGPSKGPLSPA WMPAYACQR PTPLTHTNTGLSEALEILAEAGPEGSEGRLLTFCRAASVLRAL PSPVTLSLQGLPHFGHSSRVVOELLEHGVCBEVERVRRSE/ RLFTQIFGVGVKTADRWRBGLRTLDDDLREQPQKLTQQQKAGEP SREAGPWASLNTLDPSASTP
6059	2	3650	QQDFESLADLTDHRAHRCPGDGGDDPQLSWVASSPSSKDVASPT QMIGDCDLGLGEEEGGTGLPYPCQFCDKSFIRLSYLKRHEQIH SDKL PFKCTYCSRLFKHKRSRDRHIXLHTGDKKYHCHCEAAFS RSDHLKIHLKTHSSKPPFKCTVCKRGFSSTSSILQSHMOAHKKNK EHLAKSEKRAKDDFMCDYCEDTFSQTEBLEKHVLTTRHPQLSEK

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			ADLQCLHCPEVFDENTLLAHIHQAANQKHCPMCP/QPSSV EGVYCHLDHRQPDSSNHSVSPDPVLGSSVASMSSATPDSSASV ERGSTPDSTLKLPLRGQKMRDDGQGWTKVVYSCPYCKRDFNSL AVLEIHLKTIHADKPOQSHTCQICLDSMPTLYNLNEHVRKLEHN HAYPVMQFGNISAFHCNYPCEMFADINSLOEHIRVSHCGPNANP SDGNNAFFCNQCSMGFLTESSLTEHIQ/Q\AHCSVGSALKLESPV VQPTQSFMEVYSCPYCTNSPIFGSILKLTKEIKENHKNIPLAHS KKSKARQSPVSSDVEVSSPKRQRLSASANSISNGEYPCNQCDLK FSNFESFQTHLKLHLELLLRKQACPQCKEDFDSQESLLQHLTVH YMTTSTHYVCESCDKQFSSVDD\LQKH\LLDMPHPLCCTHCT\L CQEVFDS\KVS\QVHLAVKHSNEKKMYRCTACNWDPRKEADLO VHVKHSHLGNPAKAKHCIPCEGTFSTEVELQCHITTHSKYCNCK FCSKAFHAIILLEKHLREKHCVFDAATENGANGVPPMATKKAR PADLQGMILLKNPEAPNSHEASEDDVDASEPMYGCDCGAAATME VLLQNHRLRDHNRPGEDDGSRRKAEFIKGSKCNVCRTPTFSE NGLREHLQTHRGPAKHYMCPIGGERFPSLLTLTEHKVTHSKSLD TGTCRIKMPLOSEEEPIEHCCMHDPDLNLSLTGFRVCVCMQTVT STLELKIHTGFHMQLAGSSAASSPNGQGLQKLYKCALCLKEFR SKQDLVKLDVNGLPYGLCAGCMARSANGQVGLAPPEPADRPCA GLRCPECSVKFESAEDLESHMQVDHRLTPTETSGPRKGTQTSFV PRKTTYQCICKQMTFENEREIQIHVANHMBEGINHECKLCNQM FDSPAKLLCHLIEHSFEGMGGTFKCPVCTFVFQANKLQQHIFA VHQEDKIYDCSQCPQKFFQTELOQNHMTMSQHAQ
6060	2145	202	SVETVGKKNLEVNHSQKALCKCSLPSRLPLPGENPLLDGRFR KEPRSRGSRERDNMLHHSCLCFRSLPAMLAVALLSLAPSSAS DISASRPNILLMADDLGIGDIGCYGNNTMRTPNIDRLAEDGVK LTOHISAASLCTPSRAFLTGRYPVRSGMVSSIGYRVLQWTGAS GGLPTNETTFAKILEEKGYATGLIGKWHGLNLCESASDHCHPL HHGFDHFFYGMPPSLMGDCARWELSEKRVNLEQKLNFLQVLA ALTLVAGKLTHLIPVSWMPVINSALSALLASSYFVAGALIVHA DCFLMRNHTITRQPMCFORTTPLLQEVASFLEKRNKGGPFLFV SFLHVHIPLITMENFLGKSLHGLYGDNVKEMDMVGRILDTLDV EGLSNSTLIYFTSDHGGSLNQLGNTQVGGWNGIYKGGKMGGW EGGIRVPGIFRWPGVLPAGRVIGEPSTLMDVFTVVRLAGSEVP QDRVIDGQDLLPLLLGTAQHSDEFLMHYCEFLHAARWHQRDR GTMKVVHFTVFPQPEGAGACYGRKVCPCFGRKVVHDEPFLLED LSRDPSETHILTPASSPVFYQVMER\VOQAVWEHQRTLSFVPLQ LDRLGNIWRPWLQPCCGPPLCWCCLREDDPQ
6061	110	1330	MNIHMKRKTIKNINTFENRMLMLDGMBAVRVKTRELLESEOGSPN VHNYPDMEAVPILLNNVKGEPPEDSLSVDHFQTEPVDLSINK ARTSEPTAVSSSFVSMASASSPSTSTSSSSSSRLASSPTVITS VSSASSSSTVLTPOPLVASASGVGGQQLHI.IHFVPPSSPMNLQ SNKLSHVHRIPVVVQSVFVVYTAVRSPGNVNTIVVPLEDGRG HGKAQMDPRGLSPRQSKSDSDDDLPNVTLDVNETGSTALSIA RAVQEVHPSVSRVRGNRMNNQKPPCSISPFSIESRTRQRTVLN PPDSRKTAYSTDCDF\EGLOQKLYTKSSSPGRVHRRTHTGERPY KCTWEGCTWKFAKRSDELTRHYRKHTGVKPKACDCDRSFRSDH LALHRRRRLV
6062	71	1079	ETMAKNGPENCEDCHILNAAFAKSKKICKSLKICGLVFGILALT LIVLFWGSKHFWPEVPKAYDMEHTFYSNGEKKIYMEIDPVTR TEIFRSGNGTDETLVHDFKNGYTGIFYVGLQKCFIKTQIKVIP EFSEPEEIDENEIITTFEQSVIWPAPKPIENRDFLKNSKI LEICDNVTMYW\INPTL\ISGTFKQLHNFAPITLVSSELQDPE EEGEDLHFPANEKKGIEQNEQWVPQVKVETRHARQASEEELP INDYTTENGISFDPMLDERGYCCYICRRGNRYCRRVCEPILGYYP YPYCYQGGRVICRVIMPCNWWVARMLGRV
6063	71	1079	ETMAKNGPENCEDCHILNAAFAKSKKICKSLKICGLVFGILALT LIVLFWGSKHFWPEVPKAYDMEHTFYSNGEKKIYMEIDPVTR TEIFRSGNGTDETLVHDFKNGYTGIFYVGLQKCFIKTQIKVIP EFSEPEEIDENEIITTFEQSVIWPAPKPIENRDFLKNSKI LEICDNVTMYW\INPTL\ISGTFKQLHNFAPITLVSSELQDPE

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			EEGEDLHPPANEKKGIEQNEQWVVPQVKEKTRHARQASEBBLP INDYENGIEFDPMLEDERGYCCICYCRNGRYCRRVCEPLLGYY YPYCYOGGRVICRVIMPCNWWVARMGRV
6064	913	311	NLPQSLPRPTEHSPPYSLKMTDLVAVVDVALSDGVHKIEFEHG TTSGRVVYVDGKEEIRKEWMFKLVGKBTFTVGAATKATINID AISGFAYEYTLINGKSLKKYMEDRSKTTNTWVLEMDGENFRIV LEKQAMDVWVNGKKLETAGEFVDDGTETHFSIGTH\ACYIKAV\ SSG\KRKEGIIHTLIVDNREIPIAS
6065	1153	641	MSVRVARVANVRGIGASYRRGASSFPVPPGAQGVARLLRDATG AEEAPWAATRRRMPGQCSVLLFPQGQSQVVMGRGLLNYPVR RLYAAARRVLGYDLLELSLHGPQETLDRTHCQPAIFVASLAAV EKLHHLQPSVINCVAAGFSVGEFALVFAGAMBEAEG
6066	68	3470	VKENMPATRKPMRYGHTEGHTVCPODSGSFIVTCGSDGDVRIW BDLDDDDPKFINVGEKAYSCALKSGKLVTAVSNNITQVHTFPBG VPDGLITRETTNANHVVFNGDGTIAAGSSD\PLVKIVDVMDS QOKT?RGHDAPVLSLSDPKDIFLASASCDGSVRVWQISDQTC ISWPLQKCNVDINAKSICRLAWQPKSGKLLAIPVEKSVKLYRR BSWSHQFDLSDNFISQTLNIVTWSPCGQYLAAGSINGLIIVWNV ETKDCMERVKHEKGYAICGLAWHPTCGRISYTDAGNGLLENV CDPSGXTSSSKVSSRVEKDYNLDFGDMSNAGDFLNDNAVEIP SFSKGIINDDDEDDLMASGRPRQRSHLEDDENSVDISMLKT GSSLLKEEREDGQEGSIHNPLVTSORPFYDGMPTPRQKPFQS GSTPLHLTHRFMVVNSIGIIRCYNDEQDNALDVEFHTDSIHAT HLSNTLNYTIADLSHEAILLACESTDELASKLHCLHFSWSDSSK EWIIDLQONEDIRATCLGQGWAAAATSALLRLFTIGGVQKEVF SLAGPVVSMAGHGEQLFIVYHRTGPDGDQCLGVQLLEIGKKKK QILHGDPLPLTRKSYLAWIGFSAEGTFCYVDSBGIVRMLNRGLG NIWTPICNTRHCKGKSDHYWVVGIIHENPQQLRCIPCKGRFPP TLPRPAVALLSPKLPYCQLATEKGQMEEQFWRSVIFINHLDYLA KNGVEYESTKNQATKEQQLMKMLALSCKLEFRFCVELADL MTONAVNLAIKYASRSRLILAQKLSLAVEKAELTATQVERE EEEDDFRKKLNAGYSNTATWSQPRFRNQVEEDAEDSGEADDEE KPEIHKPGONSFSKSTNSDVSASGAVTFSSQGRVNPFKVSAS SKEPAMSMNSARSTNLDNMCKSSKSTALSRTTNNEKSPIIKP LIPKPKPKQASAASYFQKRNSQTNKTBREVKERNLKNVLSETPAI CPPCNTENQRPKTGPOMMLEENRNLSDNPDPSDEADIIEGEM IRFRVLSTEEKRVWANKARGETASEGTEAKKRKRVRVDESDTEN QBEKAKENLNLSSKKQPLDFTNOKLSAFAPKQE
6067	858	321	LPWQRLGVLLSRCKMAVTGWLESIRTAQKTALLQDGRKRVHYLF PDGKEMAEKYDEKTSLLVRKVRVKSALGAMGWQLEVGDPAPL GAGNLGPELIKESNANPIFMRKDTKMSFQWRIINLPYKDVYSV SVDQKERCIIVRTTNKKYKKFSPIDLRHQPLDDALLSFA\T PTAP
6068	13	1730	GSKMADLANEEKPAIAPPVVFQKDKGQKSPAEQKNLSDSGEER RGRAEAPHHGTGHPESAGEHALEPPAPAGASASTPPPPAPEAQL PFFPRELAGRSAGSSPEGGEDSDREDGNYCPVKKERTSSLTQ FPFSQSEERSGFRLLKPTLIHQAPSAGLPSQKPKQQRSVLR PAVLQAPQPKALSQTVPSSGTNGVSLPADCTGAVPAASPDAAW RSPSEAADEVCALEKEBPQKNESNASEBEACEKKDPATQQAQFV FGQNLDRVRLINESVDADMENAGHPSADTPTATNYFLQYISS SLRNSINSADASSNKVFVQGNMSERVLSPPKLENVSSDANRENA AAESGSESSSQEATPEKESLAESAAYTKATARKCLLRKVEVIT GEEAESNVLMQCKLFVFDKTSQSWVERGRGLRLNDMASTDDG TIQSRLSDAGPRGSLR\LIILNTKLNQMQIDKASEK\SIRITAM DNEDQGVKVPFISASSKDTGQVYALHHRILALRSRVEQEBAK MPAPEPGAAPSNEEDSDDDVLPASGATAAGAGDEGDGQTGTS T
6069	583	27	PTPRGQAGSSSAMAQRLGKRVLSTLQSPSRARGPGGSPGGLOK RHAHVTVKYDRRELQRRLDVEKWDGRLEELYRGMEADMPDEIN IDELLESESEERSRKIQGLKSCGKPVEDFIQELLAKLQGLHR

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			Q\PLRQPSFSP\DGQPSAPFQGGARTASPLTLALFPGPPEP RPALLCVLSCT
6070	478	858	IRVTVDGEFLHYIFPLQFLDSPEW/RFTETHRGHF\QVLTAE TDCRYVSWRRKKLYLLFAQHRYISRLFSVLIGSDIADKLYALND RVYIGKRYEYDIRLENFYQMSTPEIRRSPLTQHFQNSRRY
6071	2	1654	HEARTKGNMALARP\VRLESLVTRLLAPRRGLTVRSPDEPLV VRIPVALQRQLEQRQSRRLPRPVLVRPGPLLVSAARRPELNQP ARLTLGRWERAPLASQGWKSRARRDHFISIERAQGEAPAVRKL SSGSFADLCANKPRVLHALQE\AAPEVVQ\PTTVQSTIPSLR GRHVCAAETGSGKTLSTLLPLQLRLG\HPSLDSLPFPAPRGL VLVPSRZLAQQVRAVAQPLGRSLGLLVRDLBGGHGMRRIRLQ S ROPSADVLVATPGALWALKSRSLISLEQLSFLVLEADTLLDZS FLRLVDYILEKSHIAEGPADLEDFNPKAQLVLVGATFPBGVQ LLNKVASPDVTTITSSKLHCIMPHVKQTFRLKLGADKVAELVH ILKHRDRAERTGPSGTVLVFCNSSSTVNNLGYILDDHKIQHLRL QGQMPALMRVGIFQSFQKSSRDILLCTDIASRGDSTGVELVNN YDFPPTLQDYIHRAGRVRGVSEVPGTVISFVTHPMDVSLVQKI ELAARRRRSLPGLASSVKEPLPQAT
6072	1	742	KMERTMPTINSQLEFKSKPFLVSSSRWLVRGELTAYVEDT VLSRRTSKQQVYFPLPNDVLIITKKKSESYNNVNDYSLRDQLL VESCDNEELNSSPGKNSSTMLYSRQSSASHLFTLTVLSNHANEK VMLLGAETQSERARWITALGHSSGKPPADRTBLTQVEIVRSFT AKQDELSQLQADVVLII\YQVSDGHWYGER\LRDGERGWFPM CARKITCOATIDKNVERMGRLLGLETNV
6073	620	860	PCRGLARPLSRPG/SILVHCAGVGSRSATLVLAYLMLYHHLT LVEATKKVKDHRIIPNRGFLRQLLALDRRLRQGLEA
6074	168	1110	PGARCMATELOCPDSMPCHNQVNSASTPSPEQLRPGDLILDHA GGNRASRAKVIILLTGAYHSSLPALDSCACGGSSLNSENGSGG DSSSYDAPAGNSFLRDCBSRQIGAQLKLLPMNDQIRELQTIIR DKTAGRGDFMPSADRLIRLVVEEGLNQLPYKECMVTPTPGYKYE GVKFEKNGCVSIRMSGEAMEQGLRDCRSIRIGKILIQSDEET QRAKVYYAKFPDIIYRRKVLLMYPILQTG\NTVIEAVKVLIEHG VQPSVILLSLFSTPHGAKSIIQEPPEITILITRVHPVAPTHFG QKPYGTD
6075	320	1091	PPTQPOEVEHH\YGYVPIILGNKTLPSRCHQCVIVSSSSHLGT KLGPEIERARCTIRMNDAPTGYADVGKNTTYRVVAHSSVFRV LRRPQEFVNRTPETVFIWGPSPKMQKPGQSLVRVIRAGLVFP NMEAYAVSPGRMRQFDDLRGETGDKREKSHSNLSTGWFTMVA VELCDHVHVYGMVPPNYCSQRPRLQRMPIHYHYPKGPDECVTYI QNEHSRKNHHRFITEKRVFSSWAQLYGITFSHPST
6076	1721	107	HPSPTAPRVQHLTMDCTWRILFLVAAATGTHAQVQLVQSGAEV KPGASVSVCKVSGYTLTELSMHWVRQAPGKGLEWMAFDPED GETIYAQKPQGRVTMTEDTSTDTAYMELSLRSEDATVYYCATD HGDYAFDIWCGQTMVTVSSAPTAKADVPPIISGCRHPKDNFVV LACLTGYHPTSV\TVTWYMGTSQA\QRTFPEIQRRDSYMTS SQLSTPLQWNRQGEYKCVQHTASKSKKEIFRWPESPQAQASSV PTAQPAEGSLAKATTAPATTRNTGRGGEKKKKKKKEQERE TKTPECPSHTQPIGVYLLTPAVQDLWRDEKATPTCFVVGSDLKD AHLTWEVAGKVPTGCGVEGLLRHNSGSSQSHSRILTLPRLWNA GTSVTCTLNHPSLPPQRLMALREPAQAQPVKLSLNLASDPPE A\ASWLLCEVSGFPPNILLMWLEDHGEVNTSGFAPARPLEKP\ RSTTFWA\WSVLRVPAPPSPQATYTCVVSHEDSRTLLNASRSL EVSIVTDHGPMK
6077	3687	1268	LLPDMNLQPIFWIGLISSVCCVFAQTDENRCLKANAKSCGECIQ AGPNCWCNTSTFLQEGMPTARCDLEALKKKGCPPDDIENPR GSKDIKKKNVTNRSKGTAEKLPEDITQIQPQQLVLRLSGEP QTPTLKFKRAEDYPIDLYLM\DLSSYMKDLENVKSIGTDLMN ENRRITSDFRIGGSPVEKTVMPYISTTPAKLRNPCTSEQNCTS PFSYKNVLSLTNGKGVFNRLVGKQIRISGNLDSPEGGFDAIMQVA VCGSLIGWRNVTRLLVFSTDAGFHPAGDGLGGIVLPNDGQCHL

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			ENMYTMSHYVDYPSIAHLVQKLSNNIQTIPAVTREFQPVYKE LKNLIPKSAVGTLSANSNVIQLIIDAYNSLSSEVILENGKLS GVITISYQSY\CKNGVNGTGENGRKCSNISIGDEVQFEISITSNK CPKDSDSFKIRPLGFTTEEVEVILQYICECEQSEGIPESPKCH EGNGTFECGACRCNEGRVGRHCECSTDENVSEDIGCFTARKENQ FQKASNHGRVPSAGQCVCRRKRDNTNEIYSGKFCRCDFNCDRS NGLICGNGVCKCRVCECNPNYTGSAACDCLDSTCEASNGQIC NGRGICECGVCKCTDPKFGQQTCEMCQTCGLVCAEHKRCVQCRA FNKGKKTCTQECSEYFNITKVESRDKLPQFPQDPVSHCKKBD VDDCNFYFTYSVNGNNEVMHVVENPECTPGDIIPIVAGVVAG IVLIGLALLLILKLLMIIDRRREFAKFEKEKNNAKWDGTGENPIY KSAVTTVVNPKEGK
6078	1426	180	ETEDVMKLEEDLTCPICCSLFDPRVLPCHNFCKKCLLEGILE GSRNLSLWRPVPPKCPCTCRKRTFSYWEIPLQVNYSLKGIVEKY NKIKISPKMPVCKGH\LGQPLNIF\CL\TDMQLDL\CGIC\ATR GEHTKHVFCSLDAYAQERDAFESLFQSFETNRGRDALSRDLTL BTSKRSLQLLTKDSKVKKEFEKLQHTLDQKNEILSDPETMK LAVMQAYDPEINKLNTILQEQRMFNIARAFKDVSEPIVFLQOM QEFREKIKVIKETPLPPSNLPASPLMKNFDTSQWEDIKLVDDVK LSLPQDTGTPIISKIPWSFYKLELLILLGLVIVFGPTMFLEWSL FDDLATWKGCLSNFSSYLTKTADFIQSVFYWEQVTDGFFIPNE RFKNFTLVLMNVNAEFVCKYKLL
6079	1586	141	ATARDLGARRIDRVVMESTPSRGLNRVHLQCRNLQEFGLGGLSP GVLDRLYGHPTCLAVFRELPISLAKNNVMRLFLQPLQAAVA LWVKKBSKAQEBSTGLLSGLRIWHTQLLPGLLQGLIILNPIFRQ NLRIALLGGGKAWSDDTSQLGPDKHARDVPSLDKYAEERWEVVL HFMVGSPSAAVSQDLAQLLSQAGLMKSTEPGEPPCITSAGFQPL LLDTPAQLWYFMLQYLQTAQSRGMDLVEILSFLFQLSFSTLGD YVEGMSDLSLLNFLOHLREFGLVQRRKRSRRYYPT/RALAINL SSGVSGAGCTVHQPGFIV\VTNYRLIYATSELIQIALIALPSE MLYPPF\NMVV\ARVTR\ESVQQAIASGITAQQI\HFLRTRAHP VMLKQT\VLPTTITDQIRLWELERDLREFTEGVLYNQFLSQVDF ELL\LAHAPKLGVLVFE\NTPAKRLMVVTPAGHSDVKRFWKQK HSS
6080	1	1199	YFTIDHVGEEFAMAQAAGVSRQRAATQGLGSNQNALKYLQDPFK TLRQQCLDSGVLFKDPBFPACPSALGYXDLGPGSPQTQGIWKR PTLCPSPQPIVGGATRTDICCGLGDCWLLAAIASLTLNEBLL YRVVPRDQDFQENYAGIFHPQLCPPSP\FWQYGEWVEVVIDDR LPTKNGQLLFLHSEQGNFWSALLEKAYAKLNGCYEALAGGSTV EGFEDFTGGISEFYDLKKPPANLYQIIRKALCAGSLGCSIDVY SAAAEAITSQKLVKSHAYSVTGVEEVNFQGHPEKLIIRLRNPWG EVEKSGAWSDDAPEWNNHIDPRRKELDKKVEDGEFWMSSLSDFVR QFSRLIICNLSPDLSLSEVHKWNLVLPNGHWTRGSTAGGCQNY PGSS
6081	3	865	EMLPLLLPLPLLWA/GALAQDARFRIEMPESVTVQEGLCIFVHC SVFYLEYGNKDSIPAYGHWFREGVSVDQETPVATNNSTQKQVKE TQGRPHLLGDPSSNNCSLSIRDARRRDNGSYFFWVARGRTKFSY KYSPLSVYVTALTHRPDILIPFLKSGHPSNLTCSPVWVCEQGT PPIFSWMSAAPTSLGPRTLHSSVLTIIPRPQDHGTNLICQVTFP GAGVTERTIQLSVSWKSGTVREVVVLAAGVAVKILLCLCLLI ILSFHKKKAVRAVEVEENVYAVMG
6082	283	1288	EARSPOPTQTRTAPGLAAGLAQPAALRLLSRPPSAAMDGCD PESVGPPEASPEEQPEASAEEREPDQOESEAAAAAY\LDL LPEPLA/LRVLAALPRHE\LVQACR/LVCLRWKELVDGAPLWL LKCOQEGLVPEGGVEBERDHWQFYFLSKRRRNLLRNPCGERDL EGWCDVHGGDGRVVEELPGDSGVEPTHDESVKKYFASSFEWCR KAQVIDLQAGYWEELDTTPAIVVDWYSGRSDAGCLYELTV KLSKHEENVLAEFSSGQVAVPQSDSGGWMELSHFTDYGPQVVR FVRFEHGGQDSVYWKGFARVTNSSVWVEP
6083	1865	309	KQWCAERRGLGMSLADLLADLEAAABEEEGGSYGEEREPATIE

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			DVQEEFTQLDLSGDSVKTIAKLWDSKMFARIMMKIEEYISKQAKA SEVMGPFVEAAPRYRVIDANNLTVEIENELNIIHKFIRDKYSKR FPELESIVPNALDYIRTVKELGNSLDCKNNENLQQILTNATIM VVSVTASTTQGGQSLSEELERLEECADMALELNASKHRIEYVE SRMSFIAPNLSIIIGASTAAKIMGVAGGLTNLSKMPACNIMLLG AQRKTLSGFSSTSVLPHTGYIYHSDIVQSLPPIPPPPSVAP\DL RRKAARLVAAKCTLAARVDSFHSTEGKVGVELKDEIERKFDKW QEPPIPVKQVKPLPAPLDGQKKRGGRRYRKMKERLGLTEIR\KQ ANRMSFGEIEEDAYQEDLGFSLGHLGKSGSGRVRQTQVNEATKA RISKTLQRTLQKQSVVYGGKSTIRDRSSGTASSVAFTPLQGLEI VNPQAAEKVAAEQKYFSSMAEFKVKGEKSGLMST
6084	1865	309	KQWCAERRGLGMSLADELLADLEAAKEEREGGSYGEKEERPAIE DVQEEFTQLDLSGDSVKTIAKLWDSKMFARIMMKIEEYISKQAKA SEVMGPFVEAAPRYRVIDANNLTVEIENELNIIHKFIRDKYSKR FPELESIVPNALDYIRTVKELGNSLDCKNNENLQQILTNATIM VVSVTASTTQGGQSLSEELERLEECADMALELNASKHRIEYVE SRMSFIAPNLSIIIGASTAAKIMGVAGGLTNLSKMPACNIMLLG AQRKTLSGFSSTSVLPHTGYIYHSDIVQSLPPIPPPPSVAP\DL RRKAARLVAAKCTLAARVDSFHSTEGKVGVELKDEIERKFDKW QEPPIPVKQVKPLPAPLDGQKKRGGRRYRKMKERLGLTEIR\KQ ANRMSFGEIEEDAYQEDLGFSLGHLGKSGSGRVRQTQVNEATKA RISKTLQRTLQKQSVVYGGKSTIRDRSSGTASSVAFTPLQGLEI VNPQAAEKVAAEQKYFSSMAEFKVKGEKSGLMST
6085	2	1456	SGPRSFQGNRAVGRISLGKRNPEVTLPLPGVSSERVRRWRARV GVARVKPGNFWKPSPATQVFR/VPAQVYLPGRGPPLREGKELVM DEEAYVLVFRQTGAPCLSFDIRVDHLGDNRELTPLTYLCAGT QAESAQSNRLMMLRMHNLHGTKEPPSEGSDEEEEREDEDEER KPQLELAMVPHYGGINRVRVSWLGERPVAGVWSEKQVEVPALR RLLQVVEBPQALAAFLRDBQAQMKPIFSPAGHMGEGFALDWSPR VTGRLLTGDCQKNIHLWPTDGGSWHVDQRPVFGHTRSVEDLQW SPTENTVFASCSADASIRIWDIRAAPSKACMLTTATAHDGDVNV ISWSRREPFLSGGDDGALKIWDLRQFKSGSPVATFKQHVAPVT SVEWHPPQDSGVFAASGADHQITQWDLG/IVERDPEAGDVEADPG LADLPQQLLFVHQGETELKELHWHHPQCPGLLVSTALSGFTIFRT ISV
6086	2419	1357	GAATQHGGAMNLLPCNPHNGLLYAGFNQDHGCFACGMEKGFVRV YNTDPLKEKEKEQEFLEGGVGHVEMLEFRNYLALVGGCKPKYPP NKVMIWDDLKKKTVIEIEFSTEVKAVKLR\DKIVVVLDSMIKV FTFTHNP\HQLHVFE\TCYNPKGLCVLCPNSNNLLAFPGTHTG HVQLVDLASTEKPPVDIPAHEGVLSCLALNLQGTRIATASEKGT LIRIFDTSAGHLIQELRRGSQAANIYCINFNQDASLIVSSDHG TVHIFPAEDPKRNKQSSLASASFLPKYFSSKWSFSKFQVPSGSP CICAEGTEPNAVIAICADGSYYKPLENPKGECIRDVYAQPLEMT DDKL
6087	476	1877	QNSQRTGLPITIFSRSPFLLTGSDLCENMPCCTWRNWRQWIRP LVAVIYLVSIIVAVPLCVWELQKLEVGIIHTKAWFIAGIFLLITI PISLWVILQHLVHYTQPELQKPIIRILWMVPIYSLDSWIALKYP GIAIYVDTCRECYBAYVIYNFMGFLTNYLTNRYPNLVILEAKD QKHFPPLCCCPPWAMGEVLLFRCKLGVLYTVVRPFTTIVALI CELGIIYDEGNFSFSNAWYLVIIINMSQLFAMYCLLLFYKVLK ELSPIQPVGKPLCVKLVVVFVFWQAVVIALLVKGVISEKHTW EWQTVEAVATGLQDFIICLEMFLAATA\HRYTFSYKPYVQEAEE GSCFDSFLAMWDVSDIRDDISEQVRHVGRTRVGHPRKCLFPEDQ DQNEHTSLLSSSSQDAISIASSMPPSPMGHYQGFQHTVTPQTTF TTAKISDEILSDTIGEKKEPSDKSVDS
6088	1684	689	GASGLVRLLOQGHRCCLAPVAPKLVPPVRGVKKGFRAPFRQKE LERQRLLRCPPPVRRSEKPNWDYHAEIQAFCHRLQENFSLDLL KTAIVNSCYIKSEAKRQQLGIEKEAVLLNLKSNQRLSEQTSF SQTCLTQFLEDEYDMPTEGINKLVDFLTGEEKVCHVARNLAVE QLTLSBEFPVPAVLQQTFFAVIGALLQSSGPRTALFIRDFLI TQMTGKELFEMNKIINPMGLLVEELKKRNVSAFESRLTRQSGVA

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6089	3	3054	<p>PTALPLYFVGLYCDKKLIAEGPGETVLVABEEAARVALRRLYGF TENRRPWNYSKPKETLRAKSITAS</p> <p>TRLGIPGSTISSRPRLCALAAEGHFLGHSWTGSRAGAHTGAPAW PSRRLRDLDPAGCMWRLRRAVACEVCQSLVKHSSGIGKSLPLQK LHLVSRSIYHSHPTLQLRPPQLRTSPQFSSLTNLPLRLKLF PIKYGYQPRRNPWPARLATRLKLRLYLILGSVGGGYTAKCTFD QWKOMIPDLSEYKNIVPDIVWEIDEDFEKIRKALPSSSEDLVK LAPDPDKIVESLSLLKDDFTSGSPRETAFRATDRGSESDKHFRK VSDKEKIDQLQEBLLHTQLKYQRIERLEKENKELRLVLQKDD KGIPFIESLRKSLIDMYSEVLVDLSYDASINTQDHLPRVVVVG DQSAGKTSVLEMLAQARIIPRGSGEMMTRSPVKVTLSEGPHEVA LFDSSREFDLTKEEDLALRHEIELRMKNVKEGCTVSPETIS LNVKGPGLQRMVLDLPGVINTVTSGMAPDTKRTIPSIKAYMQ DPNAIILCIQDGSVDAERSIVTDLVSQMDPHGRRTIFVLTQVLD AEKNVASPSRIQIIEGKLFPMKALCYFAVVTGKGNSSSIEAI REYEEFFQNSKILKTSMLKAEQVTTNRLSLAVSDCFWKMVRES VEQQADSFKATRFNLETEWKNKYPRLRELDENELFEKAKNELID EVISLSQVTPKHWEILQOQLWBRVSTHVIENIYLPAAQTMSNG TFNTTVDILKQWTDKQLPNKAVEVAHETLQEEPSRFMTPEKKG EHDDIFDKLKEAVKERSIKRHKWDFAEEDSLRVIQHNALEDRSI SDKQQWDAIYFMEKALQARLKDTEAENMVGPD\WKRWLYW KNRTQEQCVHNETKNELEKMLKCNHHPAYLASDEITTVRKNE SRGVEVDPSLIKDTWHQVYRRHPLKTALNHCNLCRRGFYYQRI FVDSLELCNDVFLFWRIQRLAITANTLRQQLTNTVEVRLLEKNV KEVLEDFABDGEKKIKLLTGKRVQLAEDLKKVREIQEKLDAFIE ALHQBK</p>
6090	194	1560	<p>PVFPVAPGAVLEQAS/ASPFLATQTVVPLQCKIPELPVQASIL FELQLFFCQILALFVHYINIKTVWWYPPSHPPSHTSLNHLID PNLLMVTITVLGRRFIGSIVKEASQKQVSLFRSILLFLTRFTV LTATGWSLCSRLIHLFRTYSFLNLL/FPILLSVWDVHVSVEAELR PARKTSLFNHMASMGPREAVSGLAKSRDYLLTLR\RRGSSTQDS CMARTPCP/PHACCLSPSLIRSEVFLKMDFNWRMKEVLVSSML SAYYVAFVPVWFVKNTHYYDKRWSCELFLLVSIISTSVILMQHLL PASYCDLHKAHAHLGCWQKVDPALCSNVLQHPWTEECMWPGV LVKESKNVYKAVGHYNVAIPSDVSHFRFHFFFSKPLRILNLL LEGAVIVYQLYSLSSEKWBQITSLALILFSNYAPFKLLRDL VLGKAYSYSASQPDLDHRFS</p>
6091	3279	412	<p>SSRTREMEKEILRRQIRLLQGLIDDYKTLHGNAAPAGTPAASG WQPTTYHSGRAFSAARYPRPSRRGYSSHGSPWRKKYSLVNRPPG PSDFPADHAVRPLHGARGGQPPVPQQHVLERQVQLSQGQNVVIK VKPPSKSGSASASGAQRGSLBEFEDTPWSDORPREGEPEPRGQ LQPSRPTRARGTCSVEDPLLVCQKEPGKPRMVKS VGSVGDSPRE PRRTVESVIAVKASFPSSALPPRTGVALGRKLGSHSVASCAPO LLGDRRVDAHTDQVPVSGSVGGPARPASGPRQAREASLVVTCR TNKFRKNKYKWAASSKSPRVARRALSPRVAENVCKASAGMAN KVEKPQLIADPEPKPKPATSSXKPGSAPSKYKNKASSPSASSSS SFRWQSEAGSKDHASQLSPVLSRSPSGD\RPVGHSGLKPLSGE TPLSAYKVKSRKTIIRRGSTSLPGDKSGTSPAATAKSHLSLR RRQALRGKSSPVKKTPNKGVLQVTTTHRLCRLPPSRAHLPTKRA SSLHAVRTAPTSTKVIKTRYRIVKKTASPPLSAPPFPLSLPSWRA RRLSLRSLVLNRLRPVASGGGAQPGSPWWSKGYRCIGGVLY KVSANKLSKTSQPSDAGSRPLRLTGRLDPAGSCSRSLASRAVQ RSLAIIRQARQRREKRKEYCMYNNRFGRCNRGERCPYIHDPEKV AVCTRFVGTCKTDTGTCFSSHVSVKEKMPVCSYFLKGICNSN CPYSHVYVSRKAIEVCSDFLGKCYPLGAKCKKHTLLCPDFARRG ACPRGAQCQLLHRTQKRHSRRATSPAPGPSDATARSRSASHG PRKPSASQRPTRQTPSSAALTAATAVAAPPHCPGGSASPSSSKAS SSSSSSSPASLDHEAPSLQRAALAAACSNRLCKLPSFISLQS SPSPGAQPRVRAPRAPLTKDSGKPLHIKPL</p>
6092	143	3190	<p>AKAPPTGESSEPEAKVLHTKRLRYRAVVEAVIRLDLILCNKTAYQ EVFKPENISLRNKLRELCKLMFLHPVDYGRKABELLWRKYYVE</p>

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			VIQLIKTNKKHHSRSTLECAVYRTHLVAGIGFYQHLLLYIQSHY QLELQCCIDWTHVTDPLIGCKKPVASGKEMDWAQMACHRCVLY LGDLSRYQNELAGVDTTELLAERFYQALSVAPOIGMPFNQIGTL AGSKYVNVAMCYLCIQSEVSFEGAYGNLKRLYDKAAKMYHQ LKKCETRKLSPGKKRCKDIKRLLVNFMYLQSLQPKSSSDSEL TSLCQSVLEDFNLCLFYLPSNPNSLASDEREYBSGYAFPLDL LIFQMVIICLMCVHSLERAGSKQYSAALAFITLALFSLVNVHNI RLQAELEBGENPVPAFQSDGTDEPESKEPVEKEEPPDEPPPVPT PQVGEGRKSRKFSRLSCLRRRRHPPKVGDSDSLSEGFBSDSSH SARASEGSDSGSDKSLGGGTAFDAETDSEMNSQESRSDLEOME EEEGTRSPTEPPRGRSEAPDSLNGPLGPSEASLASNLQAMSTQ MFQTKRCFRLAPTFSNLLQPTTNPHTSASHRPCVNGDVDPKPS PASEGSESEGESSESGRSCRNERSIQEKLQVLMAGELLEPAVKV LDWLRTNPDLIIVCAQSSQSLWNRSLVLLNLLPAGELQESGLA LCPEVQDLLEGCELDPLESSLLLPBDMALRNLPLPRAAHRNF DTRPLLSLTLSESVVRIICIRSFGEFIARLQGSILQFNPEVGIF VSIQSEQESLLQQAQAFRMAQBEARPNRLMRDMAQLRLQLEV SQLEGSQQPKAQSAMSPYLVPDQALCHHLFVIRQLATSGRFI VIIPTVIDGLDLLKKBHPGARDGIRYLEAEFKKGNRYIRCQKE VGKSFERHKLKRDADAWTLKYILDCKQLT\LAQGAGEEDPSG MVTIITGLPLDNPSLLSCPMQAALQAAHASVDIKNVLDIFYKQW KEIG
6093	76	1002	ACGRRAMLALRVART/SRWGAL\RGAVWAPGTRPSKRRACWALL PPVPCCLGCLAERWRLRPAALGLRLPGIGQRNHCSGAGKAAPR\ PAAGAGAAABAPGGQWGPASTPSLYENPWITPMLSMTRIGLAP VLGYLIIEBDFNIALGVFALAGLTDLLDGFILARNWANQRSALGS ALDPLADKILISILYVSLTYADLIPVPLTYMIISRDMVLLAASF YVRYRTLPTPTLAKYFNPCYATARKPTFISKVNTAVQLILVA ASLAAPVFNYSIYLQILWCPTAFTTAASAYSYYHYGRKTVQV IKD
6094	23	1010	PFLRCLRGDQKARMSERKVLNKYYPPDFDPSKIPKLLPKDRQY VVRLMAPFNMRCCTCGEYIYKGGKFNARKETVQNEVYLGPIFR FYIKCTRCLABITPKTDPTDYMHEGATRNFOAEKLEEEEEK RVQKEREDEELNPMKULENRTKDSKLEMEVLENLQELKDLNOR QAHVDFEAMLRQHRLSBBERRRQOBEDEQETAALLFEARKRRL LESDSEDEAAPSPLQPALRPNPTAILDEAPKPKRKVEVWEQSV GSLGSRPPLSRLVVVKKADPDCSNGQPQA/APHERSPAQEG GQPYTPDAWRVLPETGTCIPGQ
6095	1	1599	TRGRAAERSRGRGHGFLCGGFA\SVVDYFSEDFYRCGYCKNES GSRSGMGWAHSMTVQDYQDLIDRGWRRSGKYVYKPMNQTCPPQ YTIRCRPLQPPSKSHKVLKKMLKFLAKGEVPGKSCE\DEPMD STMDAVAGDFALINKLDIQCDLKTLSDDIKESLESEKNSKKE BPQELLQSQDFVGEKLGSGEPSSHS

TRADCS:1416257.1(%CSH011.DOC)

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			VKVHTVPKPGKADLSKPPCRKAKEIRKERRKRLKLMQONPAGEL EGFOAQGHPPSLFPPKAKSNQPKSLEDLIFESLPENASHKLEVR VVRSSPPSSQPKATLLESQVYKRYQMVIHKNPPDPTTESQFTR PLCSSPLEAETPPNGPDCGYGSPHQYWLQKIIAVGVIDILFN CVSSVYLYYDDPSYSLSLGVYSALREIAFTRQLHEKTSQLSYYY MGFYIHSCPKMKYKQYRPSDLLCPBTYVWVPIEQCLPSLENSK YCRFNQDPEAVDEDRSTEDRLQVFKRAIMPYGVYKQKQKPS EBAAVLQYASLVGQKCSERMLLERN
6096	2277	575	QRVRAALLSSAMEDSEALGFEHMGLDPRLLQAVTDLGSWRPTLI QKKAIPALALEGKDLLARARTGSGKTAAYALPMLQLLHKKATGP VVEQAVRGLVLVPTKELARQAQSMIOQLATYCARDVRVANVSAA EDSVSQRAVLMEKPDVVGTPSRILSHLQDQSLKLRDSLELIV DEADLLFSFGFEEELKSLCHLPRITYQAFMSATFNEDVQALKE LILHNPTVLKQESQLPGPDQLQQFQVVCETEEDKFLLLYALLK LSLIRGKSLLFVNTLERSYRLRLFLQFSIPTCVINGELPLRSR CHIIISQPNQGFYDCVIATDAEVLGAPVKGKRRGRGPKGDKASDP EAGVARGIDFHHVSAVLNFDLPPTPEAYIHRAGRTARANNPGIV LTFVLPTQFHLGKIEELSGENRGPILLPYQPRMBEIEGPRYR CRDAMRSVTQAIAREARKETKEELLHSEKLKTYFEDNPR\DIQ LLRHDLPHPAVVPHLGHVPPDYLVPPALRGLVRPHK\GRSCL PLVGRPREQSPRTHCAASSTKEKNSDPQSPPEVVGPLWS
6097	1673	192	APGTMSSGGKKSSFIQTSVTTDYECPGSPGASDPPTPQPPTGPP PRLENGEPPSPDGGKGTTPRNGSPFPGAPSSRFVVKLPHGLGEP YRRGRWTCVDVYERDLEPHSFGGLLEGIRGASGAGGRSLDSRL ELASLGLGAPTPPSGLSQPTSWLRPPPTSPGPQARSFTGGGLQ LVVPSKAKAEKPLSASSPQRPPEPETGESAGTSRAATPLPSL RVEAEAGGSGARTPPLSRKAVDMRLRMLGAPPEMGQVPLDS RPSSEPALYFTHDASLVHKSPPFGAVAAQKFSLAHSMALISGHL DSDDSGSGSLVGI DNKIEQAMDVLKSHLMFAVREEVEVLKEQI RELAERNAALEQENGLLRALA\SPQQLGSAGPPRGVPR\LGPPA PNGPFVLSLSLTIVPLGLPLASAAWPLPMEALIVPVFPGVG VQALSNGPWSPGPIPHLLIIPSLDGGGEGFRTGRQQGAPFGEET QPPPSLPPTQQ
6098	168	1074	NYCLRHRSPLEKDSPPGSSSTSLIKKQRETSDTPIMRALKELD EGKIFKNWGTQTEKEDTSNINPRQTETS VNASRSPEKCAQQRQK RLNSASQRRSSSLPPSNRKSSTPTKREIMLTPVTIVAYSPKRSPE NLSPGFSHLLSKNESSPIRFDILLDDLDTPVUSTLQRTNPRKQL \QFLPLDDSEK\TYSEKAT\DNIVNHSSCPBPVNGVKVSVR TANENKNSVSYEQCKPVSVTPQGNDFEYTAKIRTLAETERFF\D ELTKBKDQIEAALSMPSPGGRITLQTRLNQEAFGRSFGKD
6099	168	1074	NYCLRHRSPLEKDSPPGSSSTSLIKKQRETSDTPIMRALKELD EGKIFKNWGTQTEKEDTSNINPRQTETS VNASRSPEKCAQQRQK RLNSASQRRSSSLPPSNRKSSTPTKREIMLTPVTIVAYSPKRSPE NLSPGFSHLLSKNESSPIRFDILLDDLDTPVUSTLQRTNPRKQL \QFLPLDDSEK\TYSEKAT\DNIVNHSSCPBPVNGVKVSVR TANENKNSVSYEQCKPVSVTPQGNDFEYTAKIRTLAETERFF\D ELTKBKDQIEAALSMPSPGGRITLQTRLNQEAFGRSFGKD
6100	2	713	FVEVSGYRSRADPEPRGRDTMTYAYLFKYIITGDTGVGKSCILL QFTDKRFQPVHDLTIGVEFGARMVNI DGKQIKLQIWDTAGQESF RSITRSYRGAAGALLVYDITRRET FNHLTSWLEDARQHSSSNM VIMLIGNKSDLESRRDVKREEGEAFARR\HGLIFMETSARTACN VEEAFINTAKEIYRKIQQGLEFDVHNEANGIKIGPQQSISTSVGP SASQNSRDIGNSGCC
6101	1	1399	FRGRAWPLREVSHNLGCRVCSWSASWGRLPALSARLSPLLAFR GKMFPLSCAVQYAWGKMGNSSEVARILLASSDPLAQIAEDKPY ABLWMGTHPRGDAKILDNRISQKTLISQWIAENQDSLGSVKVDTF

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			NGNLPFLFKVLSVETPLSIQAHPNKELAEKHLQAPQHYPDANH KPEMAIALTPFQGLCGFRPVREIVTFLKKVPEFQFLIGDEAATH LKQTMGSHDSQAVASSLQSCFSLMKSEKKVVVEQLNLLVKRISQ QAAAGNNMEDIPGELLQLHQYQPGDIGCPAIFYFLNLLTLKPGF AMFLEANVPWAYLKGDCVECMACSDNTVRAGLTPKFDVPTLCE MLSYTPSSSKDRFLPTRSQEDPVLSTYDPPVPDFTIMKA\ EVP G\SVTEYKDLALDSASILLMVQGTVIASPTPTTPTPIPLQGGVL FTGANESVSLKLTBPKDLLIFRACCL
6102	70	2415	QTPQATLAANGARDSRGGERMLPAGEIGASPAAPCCSESGDEREN LEEKSDINVTVLIGSKQVSEGTONGDLPSYVSAPFIEKEVGNLKL SLKKLDKLIBQRTVSKMLEBQVLTISSEIPKRIRSAKNABES KQFLNQFLBQETHLPASAINSHLLTAQPMDDLGTMSQIEEIER HLAYLKNWISQIEHSDNIQQYLMNNVPEAAS TLVSMALDIKL QESSCTHLLGFMRA TVKFWBKILKDKLTSDFEILAQHLWPFIA PPQSQTIVGLSRPASAPRIYSYLETLFCQLLKLQTSHELLTEPK\ HSQKNLFLPPLSS/WPIQVMLT?LQKRFYHFRGNRQTNVLS KPEWYLAQVLMWIGNHTEFLDEKIQPILDKVGS LVNARLEFSRG LMMLVLEKLATDIPCLLYDDNLFCHLVDEVLLFERLHSHVHGYP GTFASCMHILSEETCFQRLTVRERKPFALQKMSMLSSAAWVSQ YKIDTDVDEMKEVDCAEPTMILLVITDRYKNLPTASRKLQFLE LQKDLVDDFRIRLTQVMKEBTRASLGFRYCAILNAVNYISTVLA DWADNVFFLQQAALVFAENNTLSKLQGLQASMESSVFDIM INLLERLKHDMLTRQVDHVFEVKDAKLYKKERNLSLPSQSEQ AVMSLSSSACPLLLTLRDHLLQLEQQLCFSLKIPWQMLVEKLD VYIYQRIILANHFNEGGAQLQFDMTRNLPLPFSHYCKRPNFY KHIIKACIVLNLNVGSALTAGKDVLPVQLQGSFPAT
6103	207	2523	ESNSTMTTYLEFIQNEERDGVRFSSNNVWPSSRLBATRMVVPVA ALFTPLKERPDLPPIQYBPVLCSTTTCRAVLNPLCQVDYRAKLW ACNFCYQRNQFPFYSAGISELNQPAELLPOFSSIEYVVLRGPM PLIFLYVVDTCMEDEDLQALKESNMQMSLSLLPPTALVGLITFR MVQVHELGCCEGISKSYVFRGTDLSAKQLQBMGLSKVPVTQAT RGPPVQPPPSNRFLQPVQKIDMNLTDLLGRLQRPWPVPQGR PLRSSGVALSIAVGLLECTFPNTGARIMMFIGGPATQGGPMVVG DELKTPIRS WHDIDKDNAYVKKCTKHFEALANRAATTOHVIDI YACALDQTLLEMKCCPNLTGGYVMGDSFNTSLFKQTFQRVFT KIMHGQPKMGFGGTLEIKTPR\ EIKISGAIGPCVSLNSKGPVS ENEIGTGGTCQWKICGLSPITTLATYFEVVNQHNAPIPGG\RG A\IQFVTQY\QHSSGQRRIRVTTIARN\WADAQTQIQNIAASF QRAAATIMARLAIYRAETEGPDVLRNLDROLIRLCQKFGYHK DDPSSFRFSETFSLYPQFMHLRRSSFLQVFNNSPDESSYYRHH FMRQDLTQSLIMIPILYAYSFSGPPEPVLLDSSSILADRIILM DTFFQILYHGETIAQWRKSGYQDMPEYBNFRHLLQAPVDDAQE ILHSRFPMPERYIDTEHGGSQARFLLSKVNPSQTHNNMYAWGQES GAPILTDVSLQVFMHLLKLA VSSAA
6104	124	732	KVSEYIILSKDKILFHALAMLVLVSPNSAARGVLRNYWERLLR KL PQSRPGFSPPPWGPALAVQ\AQPCLOSQOMIPVEVKRI/ RSL LDSIFWMAAPKNRRTIEVNRERRRNPKLIKVKNNIDVCECGH LKQKHVLCAYCYEKVCKETA EIRRIQKQEGGPFKAPTITETVVL YTGETPSEQDQKRIIERDRKRPSWFTQN
6105	3	989	PLHGACTSLVLRFCRRRPRFCAPARPEMRRPAAVPLLLLLCF GSRQAKAATAACGRPMLNRMVGGQDTQEGENPWQVS IQRNGSHF CGGSLIAEQWVLTAAHCFRNTSETSLYQVLLGARQLVQPGPHAM YARVRQVESNPLYQGTASSADVALVEAPVPFTNYILFVCLPD PSVIFETGMNCVWTGWGSPSEEDLLPEPRILQKLA VPIIDT\PR CNLLYSKDTFEGYQPKTIKNDMLCAGFEKGKDKCKGDSAGPLV CLVGQSWLQAGVISWEGGARQNRPGVYIRVTAHHNWIHRIIPK

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6106	3	1302	LQVQPSEVGRPEVTPPGPGAP GRPPTAPHTGRPPTANRGDPRLLDLKRGCARLLTSIESRGRPAAS AGLRDRRCALRRWPLRRAPLARATRRRAGSPRRCAPRPRACPG WSRARHQPGGLCLLLLLLCOFMEDRSAQAGNCNLROAKNGRCQV LYKTELSKECCSTGRLLSTSWTEEDVDNNTLPKMWIPNGGAPNC IPCKETCENVDGPGKKCRMNKNKPRCVCAPDCSNITWKGPVC GLDGKTYRNECALRKARCKEPELEVVQYQGRCKKTCRDVFCPS STCV\VDQTNAYCVTCNRICPEPASSEQYLQNGDVITYS\SAC HLRKATCLLGRSIGLAYEGKCIKAKSCEDIQCTGGKKCLWDFKV GRGRCSLDELCPDSKSDPEVCASDNATYASECAMKRAACSSGV LLRVKHSKSCNSISEDTEEREDEDDQYSPPISSILEW
6107	623	168	SRCSSPRPFGRGGRGK/LSPSKHRKWVEVFKACDEHKGYSLSRE DFKTAUVMLPGYXPSKIEVDSVMSSINPNTSGILLEGLNTIVRK KKBAQRYRNEVRHIFTAFDTYRGFLTLEDFFKAFRQVAPKLP RTVLEVFREV\DRDS\DGHVSF
6108	3	1348	GGSLRFSPRRVPSCSRVPFCVPPGGGGLPSPMSASRPQSPPTPW CLPRRYMKHKRRDGGPEKQDEAVDVTVMTCVFFVMCCSMLVLL YFYDILLVYVYVIGIFCLASATGLYSLAPCVRRLP\SASAGESA LLAPTIPNNSLPYFHKRPQARMILLALFCVAVSVVWGVFRNEDQ WAWVLQDALGIAPCLYMLKTI RLPTFKACTLLLLVLELYDIFPV FITPFLTKSGSSIMVEVATGPSDSATREKLPMLVKVPRLNSSPL ALCDRPFSLGFGDILVPGLLVAYCHRFDIQVQSSRVYFVACTI AYGVGLLVTFVALALMORGQPALLYLVPCITLVTS CAVALWRRRL GVFWTGGSGFAKVLPPSPWAPAPADGPQPPKDSATPLSPQPPSSE PATSPWFAEQSPKSRSTSEMGAGAPMRBPGSPAESSEGRDQAQPS PVTQPGASA
6109	1	1381	CSRAGAASGGATLEGTKLRRQRVDTNKPLDPLVPSALRAAMLY LEDYLEMIEQLPMDLRDRFTEMRMDLQVQAMDOLEQRVSEFF MNAKKNKPEWRBQMASIKKDYKALEDADEKVQLANQYIDLVC RHLRLDQELAKFKMELEADNAGITEILERRSLELDTPSQPVNN HHAHSHTPVEKKRYNPTSHHTTTDHIPEKKFKSEALLSTLSDA SKENTLGCNNNSTASSNNAYNVNNSQPLGSYNIGSLSSGTGAG GI\TMAAAQAVQATAQMKGRRTSSLKASYEAFKNNDFQLGKEF SMARETVGYSSSSALMTTLTQNASSSAADSRGCRKSKNNKSSS QSSSSSSSSSLSSGSSSTVVQELSQQTTVPESDSSQVDWT YDNEPRYCIQNQVSYGEMVGCOTQDCPIEFWPHYGCVGLTEAPK GKWCPCQCT\AAMKRRGSRHK
6110	77	2464	ACPSAATMSDODHSMDMTAVVKIEKGVGGNNGGNGGGGAFSQ ARSSSTGSSSSSTGGGQESQPSPLAIJAATCSRIESPKNRNSNMS QGSPSGGTGELDLTATQLSQGANGWQIISSSSGATPTSKEQSG SSTNGSNGSSESSKNRTVSGGYVVAAPNLQNNQVLTGLEGVMP NIQYQVI PQFTVDGQQLQPAATGAQVQDQSGGQIQIIPGANQQ IITNRGSGGNI IAAMPNLQQAQVPLQGLANNVLSGQTQYVITNP VALNGNITLLPVNSVSAATLTPSSQAVTISSSGSGESGSGPVTS GTTISSASLVSSQASSSSSFTNANSYSTTTTTSNMGINMFTTSG SSGINSQGGTPQRVSGLQGDALNIQQNQTSGGSLQAGQOKBCE Q\NQQTQAAPKSI SRPQLVQGG\QALQ\AQQAAPLSGQTFTTQA ISQETLQNLQQAQVNSGPIIIRTPTVGPNGQVSWQTLQNLQ VQNPOAQTITLAPMQGVSIGQTSBSNTTLTPIASAASIPAGTVT VNAQLSSMPGLQITINLSALGTSQIQVHP IQGLPLAIAANAPGDH GAQLGLHGAGGDGIHDDTAGGEEGENSPDAQPQAGRRTRREACT CPYCKDSEGRSGDPGKKKHICHICGCGKVYKTSHLRAHLRW HTGERPFMCWISYCGKRFTSDELQRHKRTHTGKFKFACPECPK RFMRSDHLSKHITHQNKKGCPGVALSVGTLPLDSGAGSESGGT ATPSALITTNMVAIBRAICPEGIARLANSGLNVKGGQPCSPINT SANGF

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6111	1637	797	RVDPRVRGAMAPWGRKRLAGVRGVLLDISGVLYDSGAGGCTAIAG SVEAVARLKRSLKVRFCNTNESQKSRALVGQLQRLGFDISEQE VTAPAPACQILKERGLRPYLLIHDGV\ASEFDQIDTS/STPNC VVIADAGESFSYQNMNAPQVLMLEKPVLSIGKGRYYKETSG LMLDVGPYMKALEYACGIIKAEVGGKPSPEFFKSALQAIGVEAHQ AVMIGDDIVDVGGAQRCCMRALQVRTGKFRPSDRHHPEVKADG YVDNLAEAVDLLLQHADK
6112	77	196	MSHKSFKSRFLAKKQKPNRPILQWILKTGNKIRHNWK
6113	1779	567	WEGRSNAACGVNLQGAWERSGVRASESPGKRADVSNWSRQL ETMVDHLANTEINSQRIAAVESCFGASGQPLALPGRVLLGEGVL TKCRKKAKPRIFFLFNDILVCGSIVLNKKYRSQHIIPLEEV LELLPETLQAKNRWMIKTAKKSFVVSAAATERQEWISHIIECV RQLRATRGPA\STEHAAPWIPDKATDICMCTQTRFSALTRRH HCRKCRVVCAECSSQRFLPRLSPKPVVCSLCYRELAAQQRK EEABEQGAGVPRAASHLARPICGRFVEMTMTPTTRRAGTATG PAAWSSTPRGWPLPSTADPRPAEHLSPQLHCPGPOEGSSRSC PCLRDPPIPNWQVRNGVALSGLFPVPCWTLCPYGFAGNAFFPR KQONTHRSW
6114	818	246	PTSRPRKPSGSPAMSWACVSAAPSSSWPASSSWPCGPRRCCTR RRRCSPRCGLAAGSMCSCSPSWRCTPVVPCWSPSP\PAEQVC GHLPPHADRRALRLVAAAPARGPGGHPAGPAGPRPARTPPASP HGPGRPPTVPAPPCPLAATEPTPSRFHQRTREDRLGRGSQVT GRPQWFLRGLVLFSL
6115	324	71	DVCGVRCAHPLYTHIMHICAHAC\ITHAQLC/ITASHALAH SHLYTCMVMLTASHTPSHTHPHTAVHKEHRADVLRGTLTPLR
6116	595	1430	TGVMPFGRWHAA/ISSSGPVFEGARA\LTQVKKEREDSYTPVQ AARPQTLNRPQQLFRQLFRQLRYHSSGPLETSLRLRLCRWN LRPDVLSKAQILELLVLEQFLSILPGELRVVQLHNPESGEE\L NWCWRSRGTLMGHPGGTRALP\EPICALDGYRS\LRSAQIWSL ASPLRSSALGDHLEPPYEIARDFLAGQSDTPAAQMPALFPRE GCPGDQVTPTRSLTAQLQETMTFKDVEVTFSDQEWGWLDSQRN LYRDVMLENYRNMAISLGR
6117	1433	222	VGVPSAPPCSWKVGPGGWTGILKEGQGGRRTPLLILATRTR GLLSLFPFPAAMHAPAPPLPVVVAALWGAAPTRGLIRATSDHNA SMDPADLPALPGATLSQEGLGGLVRAHPDNACSPIAP?PPAPV NGSVFIALLRFFDCNFDLKVLNAQKAGYGAUVHNVNSNELLNM VWNSBIQQIWIIPSVFIFGRSSEYLRLFPYKGRVILVPDN TFPLGYLLIPFTGIVGLLVAMGAVMIARCIQHRKRLQNRILTK EQLKQI\PTHYQKGDQYDVCAICLDEYEDGDKLRVLPCHAY HSRCVDPWLTQTRKTCPICKQPVHRGPGDEDEEETQGGQEBDR GEPRDHPASERTPLLGSSPTLPTSGSLAPAPLVFPGPSTDPPL SPSSSPVILV
6118	1044	247	STISCRACCTSGATPGAQSHRSARGHAAGGKETAALGMRGKVKK KEKEKETQKEXIGKGRBEKVRKEVEQKIQKQKQKQERRKCK EKEKRTKQKGTNKEKEQFKQEEKGENKDSLTTRTPLEPLEK NKQILVLGLDGNKTSVLHSLASNRVQHSVAPTQGFHVCINTE DSQMEFLBIGGSKPFRSYWEMYSN/ADSLARSFVGPKQDSQP ITWKAKKYLHQLIAANPVLPLVVFANKQDLRAAYHITDIEALAI II
6119	1217	462	DPRFVTENTTKAPAQERTTQPRSSREGTLRSTMEYLSALNPSDL LRSVNSISSEFGRVWTSAPPQRPFRVCDHKRTIRKGLTAATR QELLAKALSTLLNGVLTVLVBEDGTAVDSBDFQLEDDTCLM VLQSGQSWSPTRSGVLSYGLGRBRPKHSDIARFTFDVYKQNR DLFGSLNVKATFYGLYSMSCDFQGL\GPKKVLRLRLWTSLLQ GLGHMLLIGISSTLRHABEGAEQWQKGRLLHSY

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6120	785	179	LERAGGGGLSSRALVSGACLSLVARANGKGLPERGRKEFVBAVR VRYVAFRYRTPRAVCLRLWSCRREVIMSGRGKQGGKVRKAKSR SSRAGLQFPVGRVHRLLRKGNYAERVGAGAPVYLAHVLEYLTAE ILELAGNAARDNKKTRIIPRHLQLAIRNDEELNKLKGKVTIAQG G\VLPNIQAVLLPKKTESQRDEGANDP
6121	1612	107	FVRAQARGSRQPVRRPRLGAGSRLRCRSCGRMEPLKVEKFATAN RGNGLRAVTPLRPGELLFRSDPLAYTVCKGSRGVVCDRCILGKE KLMRCSQCRVAKYCSAKCQKAWPDHRECKCLKSCKPRYPDPDS VRLLRGVVFKLMDGAPSESEKLYSPYDLESNINKLTEDKKBGLR QLVMTFQHFMRERIQDASQLPPAFDLFEAFKVICNSPTICNAE MQEVGVGLYPSISLLNHSCDFNCISIVFNPHLLLRRAVRDIEVGE ELTICYLDMLMTSEERRKQLRDQYCFECD\CFRCQTQDKDADML TGDEQVWKEVQBSLKKIEELKAHWKWBQVLAMCOAISSNSERL PDINITYQLKVLDCAMDACINLGLLEALFYGTRIMEPYRIFFPG SHPVRGVQVMKVGKQLQHQGMFPQAMKNLRLAFDINRVTHGRKH SLIEDLILLE/AMRRQHQSILRERSQREIRRVSLNALLRSHT LCFVSCVNLSYWKFCVFPV
6122	2	2324	RFRKMADGGAASQDESSAAAAAADSRMNPSETSKPSMESGDG NTGTQTNGLDFOKQPVVGGAIATAQAQAFGLHLHQVQLAGTSL QAAQSLNVQSKSNERSGDSQPPSQPSQPSVQAAIPOTOLMIA GGQITGLTLTPAQOQLLQQAQAQQLAAAVQQHSASQHSAA GATISASAATPMTQIPLSQPIQIAQDLQQLQQLQONLNLOQFV LVHPTNLQPA\QFIISQTPQGGQLQA\QNLTLQLPRQSQAN LLQSQPRI\TLTSQPATPTCTIAATPIQLPQSQSTPKRIDTFS LEEP\SDLEELRQFAKTFKORRIKLGFT\QGDAGLAMVKLYGND PSPTTIFRFEALNLSFKNMCKLKPLEKWLDAENLSSDSSLSS PSALNSPGIEGLSRRRKRTSIEA\NIRVALEKSFLN\OKPTS EITMIADQLNMEKGVIRVWFENRROKEKRINPPSSGG\TSSSP IKAIPPSPSTSLVATTPSLVTSSAATTLTVSPVLPLTSAAVTNLS VTGSDTTSNNATVISTAPPASSAVTSPSLSPSPSASASTSEA SSASETSTTOTSTPLSSPLGTQVMVTASGLQTA/AQLLPFKG AAQLPANASLAAMAAAAGLNPSLMAPSQFAGGALLSLNPGTLS GALSALMSNSTLATIQAASGGLPITSLDATGNLVFANAGGA PNIVTAPLEFLNPQNLSTLTSNPVSLVSAASAGNSAPVASLHA TSTAESIQNSLFTVASAGAASTTTTASKAQ
6123	3	2944	HLLHRWFGTDMQMINFTTGEFQLTEACPYLGTHSESRFGILHL HLQPLEMKRVGVVFTPADYGVKVTSLILIRNNLTVIDMIGVEGFG ARELLKVGRLPGAGSLRFKVPSTLMDCCRQLKDSKQILSTT KNFKVENIGPLPITVSSLKINGYNCOGYGFEVLDCHQFSLDPNT SRDISIVFTPDFTSSNVIRDLSLVTAADLEFRFTLNVTLPHHLL PLCADVVPGPSWBSFWRLTVFFVSLSLGVILIAFQQAQYIIM EFMKTRQRQNASSSSQNNQPMQVISPYSKSNCKNFLTDTYGPS DKGRGKNCLPVNTPQSRIQNAAKRSPATYGHSSQKKHKCSVYYSK HKTSTAAASSTSTTEKQTSPLGSSLPAAKEDICTDAMRENWI SLRYASGINVNLQKNLTLPKNLNLNKEENTLKNTIVFSPNSSECS MKEGIQTCMFPKETDIKTSENTAEFRKRELCPKLTSSKLPENHL PRNSPQYHQPDLPETSRKNNGNNQVVPVKNEDHCENLKKVDTK PSSEKKIHKTSREDMFSEKQDIPFVBQEDPYRKKKLQEKREBNL QNLNWSKSRTCCKNKKRGVAPVSRPPEQSDCLKLVCSDFERSELS SDINVRSWCIQESTREVCKADAEIASSLPAAQREAGYYQKPEK KCVDFKCSDDSSDCGSSSGSVRASRGWSGWSSTSSSDGDKPM VDAQHFLPAGDSVSQNDFFSRAPISLNLSHNICNPMTCNSLPQY AEPSCPSLPAGPTGVREEDKGLYSPGDLWPTTPVCVTSSLNCTLE NGVPCVQESAPVHNSFIDWSATCEGQFSSAYCPLBLNDYNAPP RENMNYANGFPCPADVQTDFFIDHNSQSTWNTPP\NMPAS\WGNA QFPSSSRPYLKSTPKACLFMSGLFGPI\WAP\QSDVYENCPCIN

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			PTTEHSD/THMENQA\VVCKEYYPGF\NPFAYMNLDIWTTT\ARNANFPLSRDSSYCGNV
6124	1573	236	SDEALRLAGERGMGRVQLFEISLSHGRVVYSPCEPLAGTVRVRLGAPLPFRAIRVTCIGSCGVSNKANDTAWVVEGYPNSSLADKGSLLPAGEHSFPFQFLLPATAPTSFEGPFGKIVHQVRAAHTPRFSKDHKCSLVFYILSPINLNSIPDIEQPNVASATKKFSYKLVKYGSVVLTASTDLRGYVVGQALQLHADVENQSGKDTSPVVASILLQKVSYKAKRWIHDVRTIAEVEGAGVKAWRRAQWHEQILVPALPOSALPGCSLIHIDYILQVSLKAPFATVTLFVFIIGNIAV/NPCPSEPPARPGAASWGPTPGG\PSAPPOEEAEAAAAGGPHFLDPVFLSTKSHSQRPPLATLSSVPGAPEPCPDGSPASHPLHPPLCISTGATVPYFAEGSGCPVPTTSTLLPPEYSSWGYPEAPPSPYEQSCGGVEPSLTPE
6125	1	904	KTCPKLTCAFTVSVPDSCCRVCRGDGELSNEHSDGDI FRQPANREARHSYHRSHYDPPSRQAGLSRFPGARSHRGALMDSQQASGTIVQIVINNKHKHGQVCVSNCKTYSHGESWHPNLRAPGIVECVLCTCNVTKQECKIKHCNRYPCPKYPOKIDGKCCVCPG/KKAKERLPGQSFQDKGYFCGBETMPVYESVFMEDGETTRKIALETERPPQVEVHVWVTIRKGILOHPIHBIKIKRMFEELPHFKLVTRTTLTSLQWKIFTEGEAQISQMCSSRVCRTELEDLVKVLRLERSEKHC
6126	1224	389	RLLSEAPCFPSRRRRFOMNPEWGOAFVHVAVAGGLCAVAVPTGIFDSVSQVQGYEYHARAPVAGLPAPFLAMPFNSLVNMAVTLGLSLWHRGGAMGLGPRYLKDVFAAMALLYGPVQWLRWQWRAAVLDQWLTLPFIFAWPVANCLYLDGRWRP\WLFSLSECVSLASYGLALLHPQGEVALGAHVVPVAVGQALRT\HRHYG/SATPSATYLAGVLSCLGFVVLKLDHQLARWRLPQCLTGHFWSKVCDVLQFHFAFLFTHFNTHPRFHPSGGKTR
6127	1335	463	VLPRRCLVFFVNTMDSSREPTLGRDLAAGFWQVWQRFDADEKGYIERKELDAFFLHMLMKLGTDOTVMKANLHKVKQFMTTQDASKDGRIRMKELAGMFLSEDENFLLFRRENPLDSSVEFMQIWRKYDADSSGFISAABELNFRDLFLHHKKAISEAKLEETGTMMKIPDRNKDGRDLNDLARI LALQENFLIQPMDACSTBKRGDFEKI PAYYDVSKTGALBGP\EVDGFVKDMMELVQPSISGVLDKFKREILLRHCDVNDKDKIKQKSHALCLGLKINP
6128	2511	843	TCRMSRRQLRRVWSSQVQARGRNVRAPRLGKIAMGLEMSSKDSPGSLDGRWEDAQKQPSANCGRRKTRVYATSSRRAPPSEGTTRGGAAARPEKTAREGPPAAPGSLRHSGLPGPHACPTALPEPQVTSAMSSQVVGIEPLYIKARPASPDSPKGSSETETEPVALAPG\PAPTRCLPGHKEEDDEGAGPGEQGGKLVLSL PKRLCLVCGDVASGYHYGVASCEACKAFKRTIQGSIBYSCPASNBCEITKRRKACQACRFTKCLRVGMLKEGVRLDRVGRGRQYKRRPEVDPLFPFGPPAGPLAVAGGPRKTAAPVNALVSHLLVVEPEKLYAMPDPAGPDGHLPAVATLCDLFDREIVVTISWAKSI PGFSSLSLSQMSVLQSVNMEVLVLGVAQRSLLQDELAPAEYLVLDEEGARPAGLGELG\AALLQLVRRLOALRLERREYVLLKALAIANSDSVHIEDEPRLWSCEKLLHEALLIEYAGRAGPGGGAERRRAGRLLLTLP LLRQTAGKVLAHFYGVKLEGKVPMHKLFLEMLEAMMD
6129	1764	771	ARFARSAHEGMPKCKTGARKFAENRREREKQLRASRSTIDLAKHPCNASMECDKQRRQKNRAFCYPCNSVQLPICAQCGKTKCMMKSSDCVIXHAGVYSTGLAMVGAI CDCEANVCHGRKCLSTHACACPLTDAEC\VECEGVWDHGGRI FSCSPCHNFLCEDDQFEHQASCQVLEAETFKCVSCNRLGQHSCLRKACFCDDHTRSKVFKQEKGKQPPCPKCGHETQETKDLMSSTRSLKFGRTGGEGDGASGYDAYWKNLSSDKYGDTSYHDEEEDYEADDEEEDBGRKDSSTESSDLFTNLNLGRTYASGYAHYEEQEN
6130	3	577	GRGGTMREYKVVLGSG\GVGKSALTV\QVTCIFIRKYDPTIR

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			DFYRKBIIEV\DSPPSVAGISWTQOGTEQF\ASMRDLYIKKGQGC ILVYSLVNQQSQ\DIKPMRDQIRVKVSEKVPVI\LVGN\SVD LESEREVSSSGRALAEWGC PFMETS AKSKTMVDELFAIRVRO MNYAAQPDKDDPCCSACNIQ
6131	3	1811	SSPREKTS DSSSRPSRHGFLFLRLVLGSLPFSYLCVPPSRPVPGS PRSLSAMRLPLAPGRLRGRSPRHLPS CSPALLLLVLGGCLGVF GVAAGTRRPNVVLLTDDQDEVLGGMTP LKTKKALIGEMGMTFS SAYVPSALCCPSRASILTGYPHHHVNNLTLEGNCSKSWQKI QEPNTFPAILRSMCGYQTFF\AGKYLNEYGAPDAGGLEHVPLGW SYWYALEKNSKYNYTSLINGKARKHGENYSVDYLTDLVANVSL DFLDYKSNFEPFFMMTATP\APHSEWTAAPQYQKAFQNVPAFRN KNFNIHGTNKHWRIRQAKTPMTNSSIQFLDNAFRKRWQTLTSLVD DLVEKLVKRLFTGELNNTYIIFYTSDNGYHTGQFSLPIDKRQLY EFDIKVPLLVRGPGIKPNQTSKMLVANIDLGP TLIDAGYDLNK TQMDGMSILPLRGASNLWRSVDLVVEYQGEGRNVTDP TCPSLS PGV3QCFDCVCEADYNNIYACVRIMSALWNLYQCEFDQEVFV EYVNLTA DPQITNI AKTIDPELLGKMNYRLMMLQSCSGPTCRT PGVFDPGYRFPDRIMFSNRGSRVTRFRFSKHL
6132	96	1241	AAGLLPGLVPEDPERTRNLLDFGICQPPFALSRLPFS CVESGW AWEAMEPEFLYDLLQPKGVPEPAREELS KGGKKKYL PPTS RKD PKFEELQKPA\VLMEWINATLLPEHIVRSLEEDMFDGLILHL FQRLAALKLEAEDIALTATSQKHKLTVVLEAVNRS\CSWRSGRP SGA/WESI FNKDLLSTLHLLVALAKRFQPDLSLPTNVQVEVITI ESTKSGLKSEKLVEQLTEYSTDKDEPPKDVDELFLKLAPEKVN VKEAIVNFVNQKLDRIGLSVQMLDTQFADGVILLLLIGQLEGFF LHLKEFYLT PNPSPAEMLHNVTAL ELL\IGRGPALQFC/LALK/ TIVNKDAKSTLRVLYGLFCKHTQKAHRDRTPHGAPN
6133	2	4256	FVHGSMADTDLFMECEBELEPQKISDVIEDSVVEDYNSVDKT TTVSVSQQPV3APVPIAAHASVAGHLSTSTTVSSSGAQNDS TK KTLVTLIANNAGNPLVQGGQPLILTONPAPGLGTMVTPVLR PVQVMQANANHTSSPVASQPIFITTQGFVVRNVRPVQANMNQV IVLNVQGGQTVRPITLVPAGTQFVKPTVGVPQVFSQMTVPVRPG STMPVVRPTTNTFTTIVIPATLTIRSTVPSQSQQTKSTPSTSTP TATQPTSLGQLAVQSPGQSNQTNPKLAPSPFSPPAVSIAFVT VKRPGVTGENSNEVAKLVNTLNTIPSLGQSPGVVVSNNSSAH\ GSORTSGPESSMKVTSIPVFDLQDGGRKICPRCNAQFRVTRAL RGHMCYCCPEMVETQKKGKSLDSBPSVPSAAKPPSPEKTAPVAS /THPSSTPIPALSPPY/TKVPEPNENVGDAVQTKLIMLVDDFFY GRDGGKVAQLTNPKVATSFRCPHCTKRLKNNIRFMNHMKHVE LDQNGEVDGHTICQHCYRQFSTPFQLQCHLENVHSPYE2TKC KICEWAFESBPLFLQHMKDTHKPGEMPVVCQVCQYRSSLYSVD VFERMIHEDTRHLLCPYCLKVFKNGNAFQQHYMRHQKR\NVYH\ CNKCRVQFLPAKDKIBHKLQHHKTFRKPKQLEGLKPGTKVTIRA SRQQRTPVPVSSNDTPPSALQEAAPLTSMDPLPVFLYPPVQRS IQKRAVRKMSVMGRQTCLECSFEIPDPFNHFTYVHCSLCRYST CCSRAYANHMNNHVRKSPKYLALFKNSVSGIKLACTSCTFVT SVGDAMAKHLVFNESHRS SILPRGLTWIAHSRHGQTRDRVHDR NVKNNYPPPSFPTNKAATVKSAGATPABPRELLTFLAPALPSPA STATPPPTPTHQALALPPLATEGAECILNVDDQDEGSPVQBEP LASGGGGSGVGKKBQLSVKKLRVVLFCNTEQAABHFRNPQ RRIRRWLRFPQASQGENLEGKYLSEAEKLAEWLTQREOQLP VNEETLFQKATKIGRSLGGFKISYEWAVRMLRHHLT PHARRA VAHTLPKDVAENAGLFDIVQRQIHNQDPLSMI VAIDEISLFL DTEVLSSDDRKENALQTVGTGPWCDDVLAAILADGTVLPTLVFY RGQMDQANMPDSILLEAKESGYSDDEIMELWSTRVWQKHTACQ RSKGMLVMDCHRTLSREVLAMLSASSTLPAVVPAGCSSKIQPL

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			DVCIKRTVKNFILHKKWKEQAREMADTACDSVLLQLVLVLGGEV LGVIGDCPELVQVSFLVASVLPDGNINSPTNRADMQEELIAS LEBQLKLSGEHSESSTPRPRSSPEETIEPESLHQLFEGSESTES FYGFEEADLDLMEI
6134	2	4256	FVHGSMADTDLFMECEEELEPWQKISDVIEDSVVEDYNSVDKT TTVSVSQQPVSAVPVIAAHASVAGHLSTTTVSSSGAQNDSSTK KTLVTLIANNAGNPLVQGGQPLILTONPAGLGTMTVTPVLR PVQVMQANANHTSSPVASQPIFITTQGFVVRNVRPVQANMNQVG IVLNVOQGQTVRPITLVPAGTQFVKPTVGVQVFSQMTFVRPG STMPVRPTTNTFTTVPATLTIRSTVPQSQSQTKSTPSTSTTP TATQPTSLGQLAVQSPGQSNQTTNPKLAPSPFSPPAVSIASFTV VKRPGVTGENSNEVAKLVNTLNTIPSLGQSPGPVVVSNSSAH\ GSQRTSGPESSMKVTSSIPVFDLQDGGRIKPCRCNAQFRVTEAL RGHMCYCCPEMVEYQKKGKSLDSEPSVPSAAKPPSPEKTAPVAS /THPSSTPIPALSPPY/TKVPEPNENVGDAVQTKLIMLVDDFFYY GRDGGKVAQLTNFKVATSFRCPHCTKRLKNNIRFMNMKHHVE LDQQNGEVDGHTICQHCYRQFSTPFQLQCHLENVHSPYESTTKC KICEWAFESEPLFLQHKMDTHKPGEMPHYVCQVCQYRSSLYSEVD VHFRMIHEDTRHLLCPYCLKVFKNGNAFQOHYMRHQKR\NVYH\ CNKCRVQFLFAKDKIEHKLQHHKTRFKPKQLEGLKPGTKVTIRA SRGQPRTVFVSSNDTPPSALQBAAPLTSSMDPLPVFLYPPVQRS IQKRAVRKMSVMGRQTCLECSFEIPDFPNHFPTYVHCCLCRYST CCSRAYANHMINNHPKSPKYLALFKNSVSGIKLACTSCTFVT SVGDAMAKHLVFNPSHRSSTILFRGLTWIAHSRHHGQTRDRVHDR NVKNMYPSPSPPTNKAATVKSAGATPAPPELLTPLAPALPSPA STATPPPTPTHPQALALPPLATEGAECLNVDDQDEGSPVTQRP LASGGGGSGGVGKKEQLSVKKLRVLFALCCNTEQAAEHFRNPQ RRIRRWLRFPQASQGENLEGKYLSEAEKLAEWVLTQRBQQLP VNEETLPQKATKIGRSLEGGPKISYEWAVRFLRHHLTTPHARRA VAHTLPKDVANAGLFIDFVQRIHQDLPLSMIVAIDEISLFL DTEVLSSDDRKENALQTVGTGEFPCDVVLAIALADGTVLPTLVFY RGQMDQANMPDSILLBAKESGYSDDEIMKLWSTRVNQKHTACQ RSKGMVMDCHRTLSSEVLAMLSASSTLPAVVPAGCSSKIQPL DVCIKRTVKNFILHKKWKEQAREMADTACDSVLLQLVLVLGGEV LGVIGDCPELVQVSFLVASVLPDGNINSPTNRADMQEELIAS LEBQLKLSGEHSESSTPRPRSSPEETIEPESLHQLFEGSESTES FYGFEEADLDLMEI
6135	2	4256	FVHGSMADTDLFMECEEELEPWQKISDVIEDSVVEDYNSVDKT TTVSVSQQPVSAVPVIAAHASVAGHLSTTTVSSSGAQNDSSTK KTLVTLIANNAGNPLVQGGQPLILTONPAGLGTMTVTPVLR PVQVMQANANHTSSPVASQPIFITTQGFVVRNVRPVQANMNQVG IVLNVOQGQTVRPITLVPAGTQFVKPTVGVQVFSQMTFVRPG STMPVRPTTNTFTTVPATLTIRSTVPQSQSQTKSTPSTSTTP TATQPTSLGQLAVQSPGQSNQTTNPKLAPSPFSPPAVSIASFTV VKRPGVTGENSNEVAKLVNTLNTIPSLGQSPGPVVVSNSSAH\ GSQRTSGPESSMKVTSSIPVFDLQDGGRIKPCRCNAQFRVTEAL RGHMCYCCPEMVEYQKKGKSLDSEPSVPSAAKPPSPEKTAPVAS /THPSSTPIPALSPPY/TKVPEPNENVGDAVQTKLIMLVDDFFYY GRDGGKVAQLTNFKVATSFRCPHCTKRLKNNIRFMNMKHHVE LDQQNGEVDGHTICQHCYRQFSTPFQLQCHLENVHSPYESTTKC KICEWAFESEPLFLQHKMDTHKPGEMPHYVCQVCQYRSSLYSEVD VHFRMIHEDTRHLLCPYCLKVFKNGNAFQOHYMRHQKR\NVYH\ CNKCRVQFLFAKDKIEHKLQHHKTRFKPKQLEGLKPGTKVTIRA SRGQPRTVFVSSNDTPPSALQBAAPLTSSMDPLPVFLYPPVQRS IQKRAVRKMSVMGRQTCLECSFEIPDFPNHFPTYVHCCLCRYST CCSRAYANHMINNHPKSPKYLALFKNSVSGIKLACTSCTFVT

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			SVGDAMAKHLVFNPSHRSSSILPRGLTWIAHSRHGQTRDRVHDR NVKNNMYPSPFPNTKAATVKAGATPAEPEELLTPAPALDSPA STATPPPTPTHPQALALPPLATEGACLNVDQDEGSPVTQEPB LASGGGGSGGVGKKEQLSVKLLRVVLFALCCNTEQAAEHFRNPQ RRIRRWLRRFQASQGENLECKYLSFEABEKLAEWVLTQREQQLP VNERTLPQKATKIGRSLEGGFKISYEWAVRFLRRHLLTPHARRA VAHTLPKDAENAGLFIDFVQRQIHNDPLSMIVAIIDEISLFL DTEVLSSDDRKENALQTVGTGEPWCDVVLAILADGTVLPTLVFY RGQMDQPANMPDSILLEAKESGYSDEIMELWSTRVWQKHTACQ RSKGMLVMDCHRTHLSEEVLAMLSASSTLPAVVPAGCSSKIQPL DVCIKRTVKNFLHKKWKEQAREMADTACDSVLLQLVLVWLGEV LGVIGDCPELVQRSFLVASVLPDPDGNINSPTRNADMQEELIAS LEEQLKLSGEHSSESSTPRRSSPPEETIEPESLHQLFEGESBES FYGFERRADLDLMEI
6136	1704	539	PGVRMALBGMKRRKRKRSVQEOENPDDGVRGSPPEYRLGQVAS SLPRGEHHSRGGTGRLASLFSSLEPQIQPVVVPVKESALASA DLEEEIHQKQGKRRKNSQPGVKVADRKILDDTETTVVSQRKIQ INQBEERLKNERTVFGNLPVTCNKKKLSFFKEYGQIESVRFR SLIPAEGTLSKKLAAIKRKIHPDQKNINAYVVPKERSAATQALK RGAQIADGFRIKVDLASETSSSRDKRSVFGNLPYKVESATEK HFIDCGSIMAVRIVRDKMTGIGKCFGYVLFENTDSVHLALKLN SELMGRKLRVMRSVNKEKFKQONSNPRLKNVS KPKQGLNFTSKT AEGHFKSLFICEKAVLLKTKKKGKKSGRPKQRKQK
6137	141	2656	RALRRRCRCPGRRGALGSGGPGPQRRRGRVPEERPAFPRKRKHPG MNNMLIVAMCLA\LLGLPGKAQELQGHVS\IILAGEQLGDLAKK YLMQG\LFQLYLDEAGRGHSFSPHGAALTAPKQGOELMAKALE LSCPKDAMPASHCAEHKQDQLQLSQYRQLKTAEDYQALNKDIEAQ LQHAGLREAGGIFYFSVPPFAYEDIARNINSSCRPGGAWLRVV LEKPPGCHDHPSAQQLATELCTFPQBEEMRYVDHYLGKQAVAIIL PFRDQNRKALDGLWNRHHVERVEIMKETVDABGRTSFYEYGV IRDLQNLHTEVLTIVAMELPHNVSSAEAVLRHKLQVFQALRGL ORGSAAVVGQYQSYSEQVRRELQKPDSPHSLTPTTFAGVLVHIDNL RWEGVPTILMSGKALDKRVGYARILFKNQACCQSEKHWAASQ QCLPRQLVFHIGHDGSPAVLVSRNLFPSLPSSWKEMEGPPG LRLFGSPLSDYAYSFVRERDAHSVLLSHIFHGRKNFFITITENL LASWNPWTPLLESIAHKAPRLYPGGAENGRLLDFEPSSGRLPFS QQPQEQLVPGPGPGMPSPDFQVLRKYRESSLVSAWSEELISKL ANDLEATAVRAVRFPQPHALALSGGSSPVALPQQLATAHYGFPW AHTHLWLVDERCVPPLSDPSNFGQIQAHLQHVRIPTYNIH\AM PVHLQQRLCABEDQGAHYIAREISALGANSSFDLVLLGMGADGH TASLFPQSFTGLDGEQLVLTTSFSPQPHRRMSLSLPIINRAKVV AVLMGRMKREITTLVSRVGHBPCKWPISGVLPHSGQLVWYMDY DAFLG
6138	4587	934	EFSKLTDRWQNAVQGVQRKGDVDGLVRQWQDFTTSVENLFRFL TDTSHLLSAVKQGERFSLYQTRSILHELKNKEIHFQRRRTTCAL TLAGEKLLITDLETKESVGRRIISQLQDSWKDMEPQLAEMIKQ PQSTVETWDQCEKKIKELKSRLQVLKAQSEDPLPELHEDLHNEK ELIKELEQSLASWTONLKEQLTKADLTRHVLVEDVVLKEQIE HLHRQWEDLCRVAIRKQIEIDRLNTWVVFNEKNKELCAWLQOM RNKVLQTADISIEEMIEKLQKDCMBEINLPSBNKILQKQMGDQL IKASNKSPAABEIDDKLNKINDRWQHLFDVIGSRVKLKETFAFI QQLDKNMSNLRWLARIESELSKPVVYDVCDDQEIQRRLAEQQD LQRDIEQSAGVESVFNICDVLHDSACANETECDSIQQTTRS LDRRWNI CAMSMERMKIEETWRLWQKFLDDYSRFEDWLKSAE RTAACPNSSSEVLYTSAKEBLKRFEPQRQIHERITQLELINKQY RRLARENRTDTASRLQOMVHEGNQRWDNLQRRVTAVLRLRHFT

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			NQREBEFEGTRESILVWLTEMDLQLTNVHFSESDDADDMRQLNG FQGETITLNTNKIDQLIVFGEQLIQKSEP\LDVAVLIEDELEELHR YCOEVFGRVSRFHRRLTSCPTGLEDEKEASENETMEDPREIQT DSWRKRGESEEPSSPQSLCHLVAPGHERSGCETPVSVDS\IPLE WDHTGRRGGPSSSH\EDDEAQQY\SALSGKSIDGHSWHVPDS PSCPBHHYKQMEGDRNVPPVPPASTPYKPPYGLLLPPTDGG KSGPRVLNGNPQDEGLAGITEQQSGAFDRWEMIQABEL\HNK LKIKQNLQQLNSDISAITTWLKKTEAELEMLKMAKPPSDIOEIE LRVKRLQELKAFDTYKALVSVNVSSKEPTQTESPSTELQSR LRQLSILLWEAAQGAVDENRGGRLQSLMQCQDFHQLSQNLLWLA SAKNRRQKAHVDPKADPRALLECRRELMLQEKELVERQPVDM LQETISNLLIKHGEDCIEAEKVHVI\BKKLKQLREQVSQDIM ALQGTQNPASPLPSFDEVDSGDQPPATSVPAFRAKQFRAVRTTE GREETESRVPGSTRPQRSPLSRVRAALPLQLLLLLLLLLLACIL PSSEEDYSCTQANNF\ARSFYPMRYTNGPPPT
6139	52	1131	IGDVMVSRTCGVLETPTSVLRARRARGPCPTDSKMALPRLREGE TERRPWRASWKT/LAGWIGGAASVTIUGHPLDTVKTRLQAGVC YCNLTSCIRVVYRRESMFGFKCMSFPLASIAVYNSVVGVFSN TORFLSQHRCGRPEASPPRTLSDLLASMVAGVSVGLGEPVDL IKIRLQMOTPPVSGRQPRFEVQSGSCG\BPAYQGFVHCITTIV RNEGLAGLYRCASAMLLRDVEGYCLYFIPYVFLSEWITPEACTG PSPCAVWLAGGMAGAIISWTATPMDVVKSRLOADGVYLNKYKGV LDCISQSYQKEGLKVFFRGITVNAVGRGFMSAAMFLGYELSLQA IRODHAVTSP
6140	694	136	RPELELWRLRSRWRPLGVPRRCHRRNWKEPVRAQPLSVTVWAP RCORP/QPPAPEPSSPNAAVPEAIPTPRAAASAALEPLGPAPV SVAPQAAEAEARSTPGPAGSRGPETFRQRPQFRYQDAAGPREA FRQLREL/SPRQWLRPDI\RTKEQ\IVEMLVQEQLLAILPEAAR ARRIRRTDVRTIG
6141	2	984	AQVGPRSRPCMKPLKLRGKKAKSKETAGLVEGEPTGAGGGSLS ASRAPARRLVFHAQLAHGSAITRVEGFSSIQELYAQIAGAFETS PSEILYCTLTNTPKIDMERLLGGQLGLEDPIFAHVKGIEKEVNVY KSEDSGLTITDNGVGAYFIKRIKDGVIDSVKTCVGDHIESI NGENIVGWRHVDVAKKLKELKKEBLFTMKLIBPKKAFEIELRSK AGKSSGEKIGCGRATLRLRSKGPATVEEMPSETKAK\AIEKIDD VLELYMGIRDIDLATTMFAGKDKVNPDEFAVALDETIGDFAPP DEPFVDVWGVIGDAKRRGL
6142	116	602	EABGEQVCGAKCCGDAPHVENREETARIGPGVMESKEERALNN LIYENVNQENDEKDEKEQVANKGEPLALPLNVSEYCVPRGNRRR FRVRQPILQYRWDMHRLGEPQARMREEMERIGEEVRQIMBKL REKQLSHSLRAVSTDPFHHDHDEFC\LMP
6143	2802	270	FRMRIPLHCPWNQMMKIWNLLTSLSCAKHLSIQKLLKER/Q \QLPVFKHRDSIVETLKRHRVVVAGET\GSGKSTQVPHFLLED LLNEWASKCNIVCTQPRRI SAVSLANRVCDELGCENGPGGRN SLCGYQIRMESRACESTRLLYCTTGVLRLKLRDGLLSNV/SM FIVDEV\HER\SVQSDFLLIILKEILQKRSDLHLILMSATVDS KFSTYFTHCPILRISGRSYPVEVFHLEDIIBETGPFVLEKDSEY QKFLSEEEVTVINVTSKAGGIKKYQRYIPVQTGAHADLNPYQK YSSRTQHAILYMNPHKINLDLILELLAYLDKSPQPRNIEGAVLI FLPLAHIQQLYDLNDRRFYSERYKVIALHSILSTQDQAAAF TLPPPGVRKIVLATNIAETGITIPDVVFVIDTGRTKENKYHES QMSSSLVETFVSKASALQRCGRAGRVRDGFRCFRMYTRERFEGFMD YSVPKILRVPLEELCLHMKCNLGSPEPFLSKALDPQPLQVISN AMNLLRKIGACBLNEPKLTPLQHLAALPVNVKIGKMLIFGAIF GCLDPVATLAAMVTEKSPFTTPIGRKDEADLAKSALAMADSDHL TIYNAYLCWKKARQEGGYRSEITYCRRNFLNRTSLITLEDVKQB

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			LIKLVKAAGFSSSTTSTSWEGNRASQTLSFQEIALLKAVLVAGLYDNVCKIIYTKSDVDVTEKLACIVETAQGAQVHPSSVNRDLQTHGNLLYQEKIRYARVYLRETTLLITPFPVLLPGGDIEVQHRERLLSIDGNIYFQAPVKIAVIFKQLRVLIDSVLRKKLENPKMSLENDKI LQIITELIKTENN
6144	1289	568	SGPGSMGQRVDVVKVVMGLKEYVGKTSILVERYVHDFLVGPYQNVSAGSGARHGGRGSGGPVICTYGPDLFPLVA\TIGAAFAKVMVS VGDRTVTLGINDTAGSERYEAMSRIYYRGAKAAIVCYDLTDSSS FERAKFWVKELRSLREGCQIYLCGTKSDLEEDRRRRRVDPHDV QDYADNIKAQLPETSSKTGQSVDELQPKVADYVSVAAFPQVMTEDKGVDLGQKPNPYFYSCCHH
6145	1109	196	GGMDLSELRDNTGRCLRSLSPVFAVCRKRPCVLGVDEAGRGEVLGPMVYAICYCPLPRLADLEALKVADSKTLLESEERELFAKMEDTDFVGWALDVLSPNLISTSMGLRVKYNLNSLSHDTATGLIQYALDQGVNVTQVFVDVTGMPETYQARLQQSFPGIEVTVKAKADALYPV\VSAAISICAKVARDQAVKKWQFVEKLQDLTDYD\SGYPNDPQD\TKAWLKEHVEPVF\GFP\QFVRF\SWRTAQTI\LEKEAEDVIRKDSASENQEGLRKITSYFLNEGSQARPRSSHRYFLERGLESTTS L
6146	428	781	LKKKGKEKAEAAQVEALPGPSLDQWHRSAEEEEGPVLTDEQKS R/YPGHEAHDQGG\WDAROSIIRKVVDPETGRTRLIKGDGEVLE EIVTKERHREINKQATRGDCLAFQMRAGLLP
6147	1	2304	GTRQLPPPPSPGSGPGDSPEGPEGEAPERERRKAHGMKLKLYYGLSEGEAAGRPAGPDPLDPTDLNGAHFDPEVYLDKLRRECPALQMLDS ETDMDVRQIRALDSMQTLVYENYNKFISATDTIRKMRNDFRKMEDMDRLATNMAVITDPSARISATLQDRHERITKLAGVHALLRKLQFLFELPSRLTKCVELGAYGQAVRYQGRAQAVLQYQHLPSFRA IQDDCQVITARLAQQLRQRFREGSGAPEQARCBVELLGLALGEPAEELCEEFLAHARGRLBEKELRNLEAELGSPSPAPDVLEFTHG\SGFVGGLCQVAAAYQELFAAQGPAGAEKLAAPARQLGSRYPALV ERRLAQEGGGDNSLLVRLDRFHRRLRAPCALLAAAGLADAAT EIVERVARERLGHHLQQLRAAFLGCLTDVRQALAAPRVAGKEGP GLAELLANVASSILSHIKASLAHVHLPFAKEVSFSNKPYPFRGEFCSQGVREGLIVGFVHSMCQTAQSPCDSPGREGGATPPALLLLLS RLCLDYETATISYILTLTDQFLVQDQFPVTPVSTLCARARETARRLLTHYVKVQGLVISQMLRKSVEITRDNLSTLEPRNVRAVMKRV VEDTTAIDVQVLPRLAGVALTQAGGTVPSPRGAGAAEDHWQSLPG GGDMCINASHGASSVARASVREPQGNKSPRMNTKRAGECLCPRS CSFSAQDYDIFAPILPVEKQRLRVTQEVRAGLVLVLKIRPQTNS CILPLPHSTGINS DHVPTK
6148	3056	353	VPAVGCTFADGAMGEARKFHYIYSCOLDINVOLKIGSLBGRREQ KSYKAVLEDEPMLKFSGLYQETCSDLVYTCQVFARGKPLALPVRT SYKAPSTRWNNEWLKLVPKYPDLPNAQVALTIWDVYGGKAV PVGGTTVSLFGKYGMFRQGMHDLKVPNCRSQMDQKPTKTGRT SSTLSEDMQSRILAKLTKAHRQGHMVKVDWLDRLTFREIEMINES VKRSSNFMYLMCGFRVCDDKEVGIVYVEKDGDESSPILTSPE LVKVPDPQMSLENLVSKEHHNLPRLSLRSGPSDHLKPYPSPRDQ LKNIVSYPPSKPPTYREQDLVNEFRYLTNODKALT KILTSVIW DLPQGAQALALIGKWKPMVDVEDSLELLSSHYTNPVRRYAVAR LRQADDEDLLMYLLQLVQALKYENFDDIKNGLEPTKKDSQSSVS ENVSNSGINSAREIDSSQIIT/SAPFPPSVSSPPP\ASKTKEVPDG ENLEQDLCTFLISRASKNSTLANLYWYVTVCEQDQTQORDPK THEMVLNVMRRFSAQLLKGDKSVMRSLAAQQTFFVDRLVHLM KAVQRESGNRRKKNERLQALLGDNEKMNSDELIPLPLEBPQVK IRGIIIPETATLFRSALMPAQLFFKTEDGGKYPVIFKHGDDLRQD QLLIQIISLMDKLLRKENIDLKLTYPYKVLATSTKHGFMQFIQSV

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			PVAEVLDTGESSIQNFPRKYAPSENGPGLSAEVMQTYVVKSCAGY CVITYILGVGDRHLDNLLLTGTGKLFHIDFGVILGRDPKPLPPP MKLNKEMVEGMSGTQSEQYQEFKQCYTAFHLRRYSNLILNLF SLWVDANIPIALBPDKTVKKVQDKFRLDLSDEAVHYMQSLID ESHVHALFAAVVEQIHKFAQYWRK
6149	1	1413	RVDPRVRENGTANPIKNGKTS PASKDQRTGKKTSVQGVQVQKGN D ESESDPESDPSPSKSSEEEQDDEEVLQGEQDFNDDDTPEPNL GHRPLIMDSDEKEEEKHSSSDSYBQAKAKYSDMSSVYDRSRG S GPTQDLNTILLTSAQLSSDVAVETPKQRFDPVFGAVPFFAVRAQQ PQQEKNEKNLPOHRFPAGLBQEEFDVFTKAPFSKKNVQVECHA VGPRAHTIPGYPKSVDVFGSTFPQPLTSTSKSESNEDLFGLVP FDEITGSQQQKVQRSLQKLSRQRRTKQDMSKSNKRRHGTPT STKTKTLKPTYRTPERARRHKKVGRDSQSNEFLTISDSKENIS VALTDGKDRGNVLQPPESLLDPFGAKPFHSPD\LSWHPP\HQGL S\DIRADHNT\VLGR\PRNSLHGSFHSADVLKMDDFGAVP/F LTELVVQSITPHQSQSQPV\ELDPFGAAPPFSKQ
6150	372	37	MSNIKKYITIDYDKASIEIEIDHVMTEKLIHQINNFWSDSEYR LNKHGSVLNAVLMLAQHALLIAISSDLNAYGVVCEPDWNGNG QEGWPPMDGSEGIRITDIDTSGIF
6151	1555	521	DSNQSVSGTAASTLLHSFKATIIYQGTGHVQGFYGVTSFYSQT TPIIVQSYAQPSLQYIQGQIIFTAHPQGVVQFAAAVTTIVAPG QPQLQPSENVVTNNLLDLPSPSPKPKTI VLPPNWKATARDPEG KIYYHVITRQTQNDPPTWESFGDDASLEHEAEMDLGTPTYDEN PMK\ASKKPKTARADTSSSELAKSKSEVFRKEMSQFIVQCLNPFYR KPDCKVG\RITTTEDFKHLARKLTHGVNMKELKYCKNPE\DLBC NENVVHKTKBYIKKYMQKFGAVYKPKEDTEFRVTVGPGWEDGWS GKTDSSRERKSCGPFCTPVSTVLLMIHHGPRFNPADVN
6152	1366	648	NRTWSTPSTWGMVALPPLCSTGFWPTVTRQITARTTCGAVPAKCP PWC/DVHEPRCQPPDCHGHGTCVDGHCQCTGHFWRPGCDELDC GPSNCSQHGLCTBTGCRCDAGWTGNSNCECP LGWHGPGCQRPC KCRHHCPCDPKTCNCSVSRVKQCLQPPETATL RAGELSFRTTAW LALTLALAPLLLSTAANLSLLSRAERNRRLHGDYAYHPLQEM NGEPLAAEKEQPGGAHNPPKD
6153	2	3368	GRVGARSPGRAYALLLLLCFNVGSGHLQVLSTRNENKLLPKH PHLVQRRAWITAPVALLEGEDLSKKNPIAKTHSDLAERGLKI TYKYTGKGIETPPFGIFVFVNKDTGELNVTSILDRSETPPFLLTG YALDARGNNVEKPLELR IKVLDINDNEPVFTQDVFGSVRELSA AHTLVKINATDADEPNTLNSKISYRIVSLEPAYPPVFLNKTDT GRIYTTSVTLDRREHSSYTLTVEARDGNGCEVTDKPVKQAVQIR ILDVNDNIPVVENKVLGEMVEENQVNVETRIKVPDADEIGSDN WLANFTFASGNEGGYFHIETDAQTNBEGIVTLIKEVDYBEMKNLD FSVIVANKAAPFKSIRSKYKPTPIPIKVKVKNVKEGTHPKSSVI SIYVSESMRDRSSKQIIGNFQAFDEDTGLPAHARYVKLEDRDNW ISVDSVTSBIKLAKLPDFESRYVQNGTYYTKIVASEDYPRKTI TGTVLINVEDINDNCPTLIEPVQTI CHDAEYVNVTAEDLDGHPN SGFFSFVIDKPPGMAEKWKIARQESTSVLLQOSEKGLGRSEIQ FLISDNQGFSCPKQVLTTLTVCEVLHGS\GCREAQHDSYVGLGP AALALMILAFLLLLLVPLLLLMCHCGKAGFTPIPGTIEMLHP WNNEGAPPEDKVVPSPLPVDQGGSLVGRNGVGGMAKEATMKGSS SASIVKGQHEMSEMDGRWEEHRSLLSGRATQFTGATGAI\MTTE TTITARATGASRDVAGAQAVALNEEFKNYFTDKAASYTERD ENHTAKOCLLVYSQERTESLNASIGCCSFIEGELDDRFLDDLGL KFKTLARVCLGQKIDINKIEQRQKPATETSMNTASHSLCEQTM VNSENTYSSGSSFPVPKSLQEANA EKVTQEI VTERSVSSRQAK VATPLPDPMASRNVIAETETSYVTGSTMPPTTVILGPSQPSLIV TERYAPASTLVDQPYANEGTVVVTERTVIQPHGGGSNPLEGTQH

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			LQDVPYVMVRERESFLAPSSGVQPTLAMPNIAVGQNVTVTERVL APASTLQSSYQIPTENSMTARNTTVSGAGVPGPLPDFGLEESGH SNSTITTSSSTRVTKHSTVQHSYS
6154	3660	2146	KKTKMKNTLQKTVPFGANPKPTISDRSHLLQMVSKLDLTDANK SDTAHIKSTBITSTILNGLQASSESAEDSEBQDERGAQMDNNGK EESKIDHLTNNRNDLISKEBONSSSLLEENKVHADLVISKPVSK SPERLRKDIEVLSEDTDYEBDEVTKKRKDVKKDTTDKSSKPKQIK RGKRRYCNTECLCTGSPGKKEKAKNKESLCMENSSNSSDDE EBETKAKMTPTKKYNGLEEKRSKSLRTTGFGYSGFSEVABKRIKL NNSDERLQNSRAKDRKDVWSSIQQGWPKKTLKELFSDSDTEAAA SPHPAPEEGVARESLQTVARESCSPSVELEKPPFVNVDSKPI EKKTVEVNDRAEPPSSGCSNPSA* IPLPYLHLNRLHQL*QKGS RQSSVTVSEPLAPNQBEVRSIKSETDSTIEVDSVAGBLQDLQS ERE*LASRP*QCELEQ**SARTRTS*KSLYRSEKSERCSGRRK FIKKAEEKP*SNSSGKQKEGK
6155	869	121	HLLPELRGKSWITMKYVFLGLVLAGTFFFDSSVQKEDPAPYLV YLKSHFNPFCVGLIKPSWVLAPAHCYLPNLKVMLENGFKSRVRDG TEQTLNPIQIVRYMNYSHSAPQDDMLIKLAKPAMLNPKVQALN P\PTTNNRRCTVCLLSGLDWSQENSGRHPDLRQNLAPVMSDR CQKTEQKSHRNSLCVKFVKVFSRIFGEVAVATVICKDKLQGGIE VGHFMGGDVGITYNNVYKVSNIENAKDK
6156	5725	3984	GTSTVTMATKKHFSITLNLGMLLKKDNQDTRKLLMTWALEVAV VMKKSETYAPLFCPLSPFHFKCKGLADTLVRDVNICLQACSSLIH ALSSSLPDDLLQRCVDVCRVQLVHRGTCTIRQAFGLKLSIPLGV FLSNNNHTETQETISLALRSHMSKAPSNTHPQDFSD/VISFITY GNSHRTGKDKWLERLFYSCQRLDKRDQSTIPRNLKTDVWLQW AIWEAAQFTVLSKLRTPLGRAQDTFTQIEGIIRSLAGHTLNPQ DVSQWTTADNDEGHGNQLRLVLLQYLENLEKLMYNAYEGCAN ALTSPPKVIRTFLYTNRTQCDWLTRIRLSIMRVGLLAGQPAVT VRHGFDDLTEMKTTLSQGNLEVSIMMVVEALCELHCPEAIOG IAVWSSSIVGKHLWINSVAQQAEGRFKASVEYQEHLCAMTGV DCCISSFDKSVLTASAGCKSASLKHCLNGESRKSIVLSKPTDSS PEVINYLGNKACECYISTADNAVQEWQNAIHDLCSTSTSLN LKADPNYIKSLSSPESGKFVECTEQLLELLPGENINLLAGGSKBK IDMKLLRNM
6157	946	329	MANRGPSYGLSREVQEKIEQKYDADLENKLVDMIIILQCAEDIEH PPPGRAHPQKWLMDGTVLCKLINSLYPPGQEP IPKISESKMAFK QMEQISOFLKAAETYGVRTTDIFQITVDLWEGKDMAAVQRTLMAL GSVAVTKDDGCGYRGEPSWFRKAQONRRGFSEQLRQGNVIGL QMGSNKGASQAGMTGYGMPRQIM*DAASCP
6158	441	1482	LGSLIVLSLHCKVIFSSQSLERAMKEKAVDLVPIAQNPGLAQN PILLEGKDHNTGTVDPIIDHVQDRKTD/SRSKSPHKRSKSRER RKSRSRSHSRDKRKOTREKKIKERKERVKEKREKEREKEREKE KERGNKDRDKREKREKDKREKREKEREKEREKEREKEREKERE QDKEREKDRSKEIDEKRRKDKKSRTPPSYNASRRSRSSSRE RRRRSRSSSRSPRTSKTIKRKSSRSPPSRNKKDKKREKERD HISERRERERSTSMRKSSNDRDGKEKLEKNSTSLKEKEHNKEPD SSVSKEVDDKDAPRTEENKIQHNGNCQLNEENLSTKTEAV
6159	53	84	AVIAPLHISLGDRAFPYLKNTKSSSTTCSSRRNQSFPPVMSLTH RLHLCKYNGCAVSNVCFWEGRPLPLMIVVPYTLPVSLPVGSCV IITGTPILLTFVKDPQLEVNFTTGMDESDIAFOFRLHFGHPAIM NSCVFGINRYEEKCYLFFEDGKPFELCIYVRHKEYKVMVNGQR IYNFAHRFPFASVKMLQVFRDISLIRVLISD*GRCVRIITAVQEF DVSVSCDCTTAYQPG
6160	1626	1790	AGAKFPF*F*KVADAQPTSEKEIYNQVNVVLKDAEGILEDLQS YRGAGHEIREAIQHPADEKLQEKAWGAVVPLVGKLLKFFEPSQR

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			LEAALRGLIGALTSTPYSPTOHLEREOALAKQFAETILHFTLRFD ELKMTNPAIQNDPFSYYRRTLSRMRINNVPAGEGENVMNELANRM SLFYAATPMLKTLSDATTKFVSENKNLPIENTTDCILSTMASVC RVMLETPEYRSRFTNEETVSFCLRVVMVGVIILYDEVHPVGAFAK TSKIDMKGCIKVLKDQPPNSVEGLLNALRYTTTKHLNDETTSKQI KSMLO*QLLTLVNKG
6161	455	1569	PVSGSESLRRRAWASILRLMLGPRVAVSILCRDGIH*LEEKH* KSHVLEPLSSSLALEBQCLALSLDWSTGKTGRAGDQPLKTISSDS TGQLELLMVNETRPLQKVASWQAHQFEAWLAAPNYWHPEIVVS GGDDGLLRGWDTRVPGKPLFTSKRHTMGVCSIQSSPHREHILAT GSYDEHILLWDTRNMKQPLADTPVQCGVWRINKHPEFHLLLLAA CNHSGFKILNCQKAMEERQEATVLTSHITLPSLVYGADWSWLLF RSLQRAPSWSPFNSLGTKTADLKGAELPTPCHECRDNDGEGH ARPOSGMKPLTEGMRKNGTWLQATAATTRDCGVNPEBADSASFSL LATCSFYDHALLHWEWGN
6162	1	586	RTIHATGRAGASPMHRLIVWRLAEANKQHVRCQKCLEFGHWTYE CTGKRKYLRPSRTAKLKKALKKKENRLLQQSIGETNVERKAK KKRSKSVTSSSSSSSDSSASDSSSESEETSTSSSSSDSDTDESS SSSSSSASSTTSSSSSDSDSDSSSSSQ*HQHR*QL*R*TKER EKEIELLSYNTDGLKTLIM
6163	1081	785	RIRSTTEGCAVRLHPTQNTGKARIMILLSVSLGRHWFTYKFFL TPVVVFVFFPPFFHRKE*VMQKNPMKSRDEWMEKLNHLHVQRAD MNRLLIMNYLVTEGFKEAAEKFRMESGIEPSVDLETDERIKIRE MILKGQIQEATIALINSLHPELDTNRYLYFHLQQOHLIELLROR ETRAALEFAQTQLAQGEESRECLTEMERLALLAFDSPRESPP CDLLHTMQRKVWSEVNQAVLDYENRESTPKLAKLLKLLLWQON ELDQKKVKYPMKTDLSKGVIEEPK
6164	90	406	PCQSPGRSRMRQDKLTGSLRRGGRCCLKRQGGGVGTILSNVLKKR SCISRTAPRLCTLEPGVDTKLKFTLEPSLGQNGFQQWYDALK VARLSTGIPKEWRRKVWLTADHYLHSIAIDWDKTMRTFNERS NPDDDSMGIIQIVKDLHRTGCSSYCGQBAEQDRVVLKRVLLAYAR WNKTVGVCQGFNLAALILEVMENEGDALKIMITYLIDKVLPE YFVNNLRALSVDMAVFRDLRLMKLPESQLDQLQRTANKESGG GYEPPLTNVFTMQWFLTLFATCLPNQTVLKIWDVFPFEGSEIIL RVSLAIWAKLGEQIECCETADEFYSTMGRLTQEMLENDLLQSHE LMQTVYSMAFFFPQLAELREKYTYNITPPPATVKPTSVSGRHS KARDSDEENDPDEDVAVNAVGLGPFSGFLAPELQYQKQIKE PNEEQSLRSNNIABLSPGAINSCRSEYHAAFNSMMMERMTDIN ALKRQYSRIKKKQQQVHVQVYIRADKGFVTSILPSQVNSSPVIN HLLGKKMKMTNRAAKNAVIHIPHTGGKISPVYEDLKTCLNS PWETHIRVHKKNMPRTKSHPGCGDTVGLIDEQNEASKTNGLGAA EAPPSGCTATAGREGSSPEGSTRRTIEGQSPFVPGDADVDVSA VQAKLGAELNQRDAAATELRLVHPPCQRHCPEPPSAPBENKAT SKAPQGSNSKTIIPSPFSPVKPLRKSATARNLGLYOPTBRTPTV HFPQMSRSFSKPGGGNSGP*KMVFSSGTMLSRLPGYPOEYQRN GGERFG
6165	90	406	PCQSPGRSRMRQDKLTGSLRRGGRCCLKRQGGGVGTILSNVLKKR SCISRTAPRLCTLEPGVDTKLKFTLEPSLGQNGFQQWYDALK VARLSTGIPKEWRRKVWLTADHYLHSIAIDWDKTMRTFNERS NPDDDSMGIIQIVKDLHRTGCSSYCGQBAEQDRVVLKRVLLAYAR WNKTVGVCQGFNLAALILEVMENEGDALKIMITYLIDKVLPE YFVNNLRALSVDMAVFRDLRLMKLPESQLDQLQRTANKESGG GYEPPLTNVFTMQWFLTLFATCLPNQTVLKIWDVFPFEGSEIIL RVSLAIWAKLGEQIECCETADEFYSTMGRLTQEMLENDLLQSHE LMQTVYSMAFFFPQLAELREKYTYNITPPPATVKPTSVSGRHS KARDSDEENDPDEDVAVNAVGLGPFSGFLAPELQYQKQIKE

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			<p>PNEEQSILRSNNIAELSPGAINSCRSFYHAAFNMMERMTTDIN ALKRQYSRIKKKQQQVHVYIRADKGPVTSILPSQVNSSPVIN HLLGKMKMTNRAAKNAVIHDPGHTGGKISPVVYEDLKTCLNS PWRTHIRVHKKNMPRTKSHPGCGDTVGLIDBQNEASKTNGLGAA EAFPSGCTATAGREGSSPEGSTRRTTIEGQSPEFVFGDADVDVSA VQAKLGALELNQDAAAE TELRVHPPCQRHCPEPPSAPBENKAT SKAPQGSNSKTPIFSPFPPSVKPLRKSATARNLGLYPTERTPTV HFPQMSRSFSKPGGNSGP*KMVSSGIMLSRQLPGYPQYQRN GGERFG</p>
6166	2	1206	<p>HKLWRTVAMAGAEWKSLEECLEKHLPLDQLQEVKRVLYGKELRK LDLPRAPFAASREDFELQGYAFPAAEQRLRPRIHVHGLVQNR IPLPANAPVAEQVSALHRRIRKAIVEVAAMOGVNIICFQEAWTMP PAPCTREKLPTWTFABSAEDGPTTRFCQKLAKNHDMVVVSPILE RDESHGDVLWNTAVVISNSGAVLGKTRKNHPRVGDFFNESTYYM EGNLGHPVFQTFGRIVANI CYGRHHPNLMYSLNGABII FNP SATIGALSESLWPIKARNAATANHCTCAINRVGTEHFPNEFTS GDGKKAHQDFGYFYGSSVVAAPDSRTPGLSRSDGLLVAKLDL NLQQVNDVWNFOTGRYEMYARELAEAVKSNYSPTIVKE*PAS VPALG</p>
6167	1220	1844	<p>YGI VTG PSLCAGDKQPKQKRNFLVSPFVDEALCACEEYLSN LAHMDIDKDL EAPLYLTPEGWSLFLQRYQVVEGAELRHLDTO VQRCEDILQQLQAVVPQIDMEGDRNIWIVKPGAKSRGRGIMCMD HLEEMLKL VNGNPVVMKDGKVVVQKYIERPLLI FGTKFDLRQWF LVTDWNP LTWV FYRDSYIRFSTQPFSLKNL DK*APLYLTPEGWS LFLQRYQVVEGAELRHLDTOVQRCEDILQQLQAVVPQIDMEG DRNIWIVKPGAKSRGRGIMCMDHLEEMLKL VNGNPVVMKDGKVV VQKYIERPLLI FGTKFDLRQWF LVTDWNP LTWV FYRDSYIRFST QPFSLKNL DK</p>
6168	84	1392	<p>VWVPSVSAMPKKQAQAGGSKABQKKKEKI IEDKT FGLKNKK GAKQKFIKAVTHQVFKGQONPROVAQSEABKKLKKDDKKKRLQ ELNELFKPVVAAQKISKGADPKSVVCAFFKQCTKGDKCKFSH DLTLERKCKRSVYIDARDELEKDTMDNNDKKLEEVNKKHG EAEKKKPKTQIVCKHFL EAIENNYGWFVVCPPGGDI CMYRHAL PPGFVLKKKKKKKKRDRLSL*DLIERERSALGPNVTITLESF LAWKKRKQEKIDKLEQDMERRKADFKAGKALVISGREVFEPFP ELVNDDEEADDTTRYTGQGGDEVDSDSVNDIDLSLYIPRDVD ETGITVASLERFSTYTSKDKDENKLSASGGRAENGERSDL EEDN EREGTENG AIDAVVDENLFTGEDLDLEELNLTLDLE</p>
6169	112	662	<p>APAAAMAE RPDNLNPN AVITRII KEALPDGVNISKEARSATSR AASVFLYATSCANNFAMKGRKTLNASDVL SAMEEMEFQRFVT PLKEALEAYRRBQKKGKEASEQKKDKDKKT DSEEQDKSRDEBN DEDEBRLEEBEQNEEBVDN*KGRET VAPWKVPLEMRATCFCE APFCWAE</p>
6170	62	667	<p>STKVMLPNTGRLAGCTVFITGASRGIGKAI ALKAADGANIVIA AKTAQPHPKLIGTIYTAABRIEAVGGKALPCIVDVRDEQQISAA VEKAIKKFGGIDILVNNASATSLTNTLDTPTKRLDLMNVNTRG TYLASKACIPYLKKSVAHIPNISPPMLNPVWFKQHCGRW*VV G*GDGLCLICFELNLCMSDVITICT</p>
6171	382	941	<p>HFMQSDVELDCDIEPCGHTKFPPTLPLSTTVIVCSCHPVATAST MAEAFSKTTSEEDQSIQEPKANSMTAQKQK*GLRGSRRRHAN SGGDI FGDSFAAYFPRVLKQVHQA LSLSQEAVSVMDSMVRDILD RIATEAGHLAHYSKCVTITSRDIRMAVCLLLPGKMGKLAESQGT NATLRYTKSK</p>
6172	651	54	<p>GLCRAGGAHRFSRTHVEAALKMLRREARLRREYLYRKAREBAQR SAQERKRLRLRALEENRLIPTELRLREALAQSL EFD DAGGBCV TSHVDDEYRWAGVEDPKVMITTSRDPSSRLKMFALKLVPFGA</p>

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			QRMNRRHEVVGALVRACKANGVTDLLVVEHRTGTPVGLIVSHLP FGPTAYFTLCNVVMRHDIPDLGTMSEAKPHLITHGFSSRLGKRV SDILRYLPFPVPRDDSHRVITFANQDDYISFRHHVYKKTDRHNV LTVGPRPELKLMIRLGTLEQATADVEWRNHPTNTARKRVF LSTE*AAPRPLGQLL
6173	3	288	SVDHREVVQLSQSMPLTPHQAVALRGRRPYMCVECGKCFGRSSHL LQHQRIHTGKPYVCSVCGKAFSSQSSVLSKHRTIHTGKPYECN ECGKAPRVSSDLAQHHKIHTGKPEHCLECKAFTQLSHLIQHQ RIHTGERPYVCPLOGKAFNHSTVLRSHQRVHTGKPHRCNECGK TFSVKRTLLQHQRIHTGKPYTCSECGKAFSDRSVLIQHNVHT GEKPYECSECGKTFSHRSTLMNHERIHTSEKPYACYECGKAFVQ HSHLIQHQKVRKL*PTCVLSVGSALAGVPTSPSISVSTLERSP MCAVYVGRPSARAQSLVNTQQTQVRSFMSVMSVEKPLE
6174	1060	959	PRPPGKRWVAGLGNPGLPGRHRSVGMVGLQGLARRLGVAESWT RDRHCAADLALAPLGDALVLLRPRRLMNANGRSVARAAELFGL TAEVYLVHDELDKPLGLRLALKLGGSARGHNGVRSCISCLNSNA MPRLRVGIGRPAHPEAVQAHVLCGFSAPQELLPLLLDRATDLI LDHTRERSQGPSLGP*H*WFSKKA
6175	2204	334	RYFRADPRSRSGQPRAEGLGAFAGPLRAMAAPVKGNRKQSTEG DALDPPASPCKPAGKQNGIQNPISLEDSPEAGGEREEBQEREEBO AFLVSLYKFMKERHTPIERVPHLGFKQINLWKIYKAVEKLGAYE LVTGRRLLKKNVYNELGSGSPGSTSGATCTRRHY*RLVLPPYVRHLK GEDDKPLPTSKPRKQYKMAKENRGDDGATERPKKAKEERRMDQM MPGKTKADAADPAPLPSPQPPRNSTEQQGLASGSSVSFVGASGC PEAYKRLSSFYCKGTHGIMSPLAKKLLAQVSKVEALQCQEEG CRHGABQASPAVHLPESPQSPKGLTENSRRHLTPQBLQAPCG SLREBAQAGPCPAAPIPKGCFTYHTPEVLKPVSQHPRDFFSRLK DGVLLGPPGKKEGLSVKEPQLVWGGDANRPSAFHKGGSRKGIYP KPKACNVSPMAKVPAESPTLPPTFPSSPGLGSKRSLEBEGAHS GKRLRAVSPFLKEADAKKCGAKPAGSGLVSCILGPPALGPVPPPEA YRGTMHCLPLNFTGTPGLGQAALPFSPLVIPAFAHFLATAG PSPMAAGLMHFPPTSFDLSALRHRLCPASSAWHAPPVTTYAAPHF FHLNTKL
6176	1040	402	PLSALRAMAEVHVIGQIIGASGFSESSLFCKWGIHTGAANKLLS GVREGQTQVDTPIQCDMAYSHEIDLHFATKGLQGWPRLHFQVW SQDSFGRCQLAGYGFCHVPSSPGTHQLACTWRPLGSWRRLAR AFVGGGPQLLHGDTIYSGADRYRLHTAAGGTVHLEIGLLLENFD RYGVEC*GTLPTSPSTPRTPTSDGGGWHSGQEHRL
6177	1400	992	VPIESLVGKVHNPFLAFYCCEKGRQPHKSLHDCFCGRALDPN CSHCYLDQIKRSDFLGFSGYSPHFVAISTNSRHQMOPSSMQQAL PSQ*PYWTDPRPALVPCCSHRPDVHRSRPGPLPGTSGCSDRPP VCP I
6178	1027	254	STQRGGIGKVARAASLVGRRRRAGTGMALLCLVCLTAALAHGCL HCHSNFSKKFSPYRHHVNFKSWVVDIPVSGALLTDNSDDTMKE LHLAIPAKITREKLDQVATAVYQMDQLYQGMYPFGYFPNELR NIPREQVHLIQNAIIESRIDCQHRGIFQYETISCNNCTDSHVA CPGYNCSSAQWKS AVQGLLNYINNWHKQDTSMRPRSSAFSWPG THRAAPAFVLVLPALRCLEPPHLANLSLEDA*CLKQH
6179	806	276	RGETREMAGNLLSGAGRLWDNVPLACRSFSLGVPRILIGIRLTL PPPKVVDNRNNEKRAMFGVYDNIGILGNFEKHPKELIRGPIWLRG WKGNELQRCIRKRRKMGSRMPADDLHNLNKRIRYLYKHFNHKGK FR*KRRLRTSEKAHLSPPRRRTVLPVVRKRLCIFSVIKWGPFGI
6180	156	1833	DHILKAASTTHVCARGNIPAINTRCLBC*ATATPSSLEBQN* SHLSLCLPLPATTSGLTNSMIPKBRQNTAERLLRVMCADLGL SVVSGKEFLKLAQTLVDSGARYGAFSVTEILGNFTLALKHLPR MYNQVKVKTALGSGNACLGIVTCHSQQSVGPDSCYILTAYQAE

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			GNHIKSYVLGVKGADIRDSGDLVHHVQNVLSEFVMSEIRTVYV TDCRVSTSAFSAKAGMCLRCSACALNSVVQSVLSKRTLQARSMHE VIELLVNCELAGSTGLAKETFGSLEETSPPPCWNSVTDLSLLV HRRYEQICEFYSRACKMNLIQSLNKHLLSNLAAILTPVKQAVIE LSNESQPTQLVLPTVVRLEKLPKAKANDAGTVSKLCHFLBAL KENFKVHPAHKVMILDPQQLRPVPPYQHEEIIIGKVCELINEV KESWAEBADFEPAAKPRSAAVENPAQEDDLGKNEVYDYLQE PLFOATPDLFQYWSCVTQKHTKLAKLAFWLLAVPAVGARSQGVN MCEQALLIKRRRLSPEDMNMKLMFLKSNML
6181	169	1032	TRTILSPVLLPGPRWKPWRRRPMPGLALPAWLQPRYRNAYLFI YYLIQFCGHSWIFTNMTVRFESFGKDSMVDTFYAGLVMRLCQS VSLLELHIYVGIESNHLLPRFLQLTERIILFVUVITSQEEVQE KYVVCVLPVFNLLDMVRYTYSMLSVIGISYAVLTWLSQTLWMP IYPLCVLAEAFATYQSLPYFESFGTYSTKLFPDLSIYPPYVLKI YLMMLFIGMYFTYSHLYSEERRDILGIFPIKKKK*STAFQCDTR KDRLNIQCSK*NTGSILVEKFLVF
6182	1769	1224	AS*IDYQNLTLKEFQLTEENTKLRYLTCSLIEDMAAAYFPDCI VRPFGSSVNTFGKLGCDLDMFLDLDETRNLSAHKISGNFLMEFQ VKNVPSERIATQKILSVLGECLDIHFGPGCGVQVQKILNARCPVLR FSHQASGPOCDLTNNRIALTSSSELLYIYGALDSRVRLVFSVR CMARAHSLTSSIPGAWITNFSLTMMVIFFLQRRSPPIILPTLDSL KTLADAEDKCVIEGNNCTFVRDLSRIKPSQNTETLELLKEFFE YFGNFAFDKNSINIRQGREQNKPDSSPLYIQNPPTSLSNISKNV SQSQLQKFVDLARESAWILQVEDTDRPSSISNRPWGLVSLLLPS APNRKSFTKKSNKFAITVKNLLESLEKGRNTEFNTRTSGKRTI STQT
6183	1118	452	HLDRYIKSPGSGSSTPAPPSHLLLYLHLPQSTRTMGCCGCGSRGC GSGCGGCGGSGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG RCYVPVCCCKPVCSWVPACSCCTSCGCGGSGGCGGCGGCGGCGGCGG GSGCGSQSSCCCKPCCSSGCGSSCCQSSCCCKPCCQSSCCVPVC CQSSCCCKPCCQSSCCVPVCQCKI*GSGPRPSGFSCLVKAFLM VP
6184	1	2191	IVTVREEDGAPAVAPPGVUVSRANKRSGAGPGSGGGGARGAER EPPPPPLQAVLVADSFDRRFPFISKDQPRVLLPLANVALIDYTL FLTATGVQETVFCCWKAQIKHLLKSKRCRPTSLNVRIITS ELYRSLGDVLRDVAKALVRSDFLLVYGDVISNINITRALEHR LRRKL*KNVSVMTMIFKSSPSHPTRCHEINVVAVDSTTNRVL HFQRTQGLRRFAFPLSLFQSSSDGVEVRVLDLDCHEISICSPQVA QLFTDNFDYQTRDDFVRGLLVNEEILGNQIHMHVTAKEYGARVS NLHMYSAVCADVIRRWVYPLTPEANPTDSTTQSCTHSRHNIYRG PEVSLGHGSLERNVLLGSGGTIVGSNCFTTNSVIGPGCHIEPGD NVVLDQTYLWQGVRAAGAQIHQSLLCDNAEVKERVTLKPRSVL TSQVVVGPNITLPEGSVISLHPPDABEDBDDGBFSDSDGADQEK DKVKMKGYNPAEVGAAGKGYLWKAAGNMEEEEELQNLWGLKI NMEEESESESEQSMDEBPDSRGGSPOMDDIKVFQNEVLGTLQR GKEENISCDNLVLEINSLKYAYNISLKEVMQVLSHVVLFPLOQ MDSPLDSSRYCALLPLLKAWSPVFRNYIKRAADHLEALAAIED FFLEHREALGISMAKVLMAFYQLEILARETILSNFSDQRTTQKQ QLRKNQQLQRFIQWLKEAEESESD
6185	791	44	PCTSCVLWATLHLFPASTRKAPQAECCMISITWQKIGVGITGFG IPIILFGTLLYFDSVLLAFGNLLFLTGLSLIIGLRKTFWFFPQR HKLKGTSLFLLGGVVIVLLRWPLLGMLFETYGFPSLFKGFPPVAF GFLGNVCNIPFLGALFRRLQGTSSMV*KTEMSSNLNHLKGA RREWEPPPPQSPALTHSPYTPGPPQVQKERNGAELTSNPQVDSR GCQEAEMQTPRRLLGWGNYHTLTLYLWEEK
6186	569	238	VYIDSSNTNTHGABERNRKLKHNKILCHAQSRSLDVNGLALKMA

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			KERKVKNKVRNKADTEEVFNNSPTNQKMPSTAILPDSGSGVIS NIRNQMETLHSQPHQENLCFENSFSLINLLPINAVEPTSSQOI PNRETSEANKERRKMTSKSSESNIYSPITSPTTADSELHDIKD LEDCLMVGLHTCGDLAPNLTIRIFTSNSEIKGVCSVGCYHLLSR EFENQHKTERTQEKWGFPMCHYLKEERWCCGRNARMSACLALERV AAGQGLPTESLFYRAVLQDIIDCYGITKCDRHVGKIYSKCS3P LDYVRRSLKRLGLDESKLPBKIMNYEYKYPKRMNELRAFNMK VVLAPCIETLLDLRLCYLKEQEDIAWSALVKLFDPVKSPRCYA VIALKKQQ*FPLKQIIRCISL*DSAGCAEEVSVGDGGPALRDAP PSGSRVGSRYD
6187	1701	771	DANGPTRLARILNPDSEIEPRPGRLEATRPHEPKASCFA AAPLMERKPHVLGVTCVSAALKLPILLVSKLLDIPGLEVAVVT ERAKHFYSPQDIPVTLYSDADEWEMKSRSDPVLIIDLRWADL LLVAPLDANTLGKVASGICDNLCTCVMRAWDRSKPLLFPCPAMNT AMWEHPITAQQVDQLKAFGYVEIPCAKKLVCGDEGLGAMAEVG TIVDKVKEVLFQHSQGQOS*PGISVMGVPLYSEWVQAKSVKMDV GKIGGYPHLLNGGPALS LPRGQACSRLNWTGPGLSFPQGEAA A
6188	238	1534	KGFVNAGPLMARLQVSPQWKAPMSQICLSCGHPSA*GPRNAEW NIGVFCICRCAGIHRNLGVHISRVKSVNLDQWTQEQIQCMQEMG NGKANRI.YEAYLPETPRRPQIDPAVEGFIKDYKHKYMDRSLD INAFRKEKDDKWKRGSEPVPEKLEPVVFEKVKMPQKEDPQLP RKSSPKSTAPVMDLLGLDAPVACSIANSKTSNTLEKDLDLASV PSPSSGSRKVVGSMP TAGSAGSVPENLNLFPEPGSKSEEIGKK QLSKDSILSLYGSQTPQMPTQAMFMAPAQMAYPYPSFPGVTP PNSIMGSMPPFPVGMVAQPGASGMVAPMAMPAGYMGGMQASMMG VPNGMMITQAGYMAGMAAMPQTIVGVQPAQQLQWNLQTMTQCM AGNMFYGANGMMNYGQSMGSGNEQAANQTLSPQMWK
6189	1297	793	LGEPLGDLCELIPGDVQQLQMGVEHFGTGAQGSAAQSVAGEVQL TQLSHARQRPSCQGSQIALDLQHMDSRQPRWQHVPVARQVO RAQQAQLAGVAVHLWAGDAVVAEVELLOEVEGGGKVFANACDL VVQDHEGAHAARQATGHALQRTVQVRRVQPLEAL*RVPSGLER RVRAFMLLNQITGIGREFATTYFLEKLNLNRYNRTSPQVHRD AFRKLRLRLSLDLSGNRLHMLPPGLPRNVHLKVRNRLAALAR GALAGMAQLRELVLTSNRLRSRALGPRAWDLAHLQLLDIAGNQ LTEIPBGLPESLEYLYLQNNKISAVPANAFDSTPNLKGIFLRFN KLAVGSVVDSAFRRLKHLQVLDLBNLEFGDISKDRGRLGKEKE EEBEDEVEEEETR
6190	66	1309	ILVGNVSFLLSFAEYVCNCSVVGSLNVNRCNQTGTQCECRPGYQ GLHCETCKBGFY.LNYTSGLCQPCDCSPHGALSIPCNSSGKCQCK VGVIGSICDRQDGYGFSKNGCLPCQCNRSASCDALTGACLN QDENSIGNHCECKEGFYQSPDATKRCCLRPCSAVTSTGSCSIK SSELEPECDQCKDGYIGPNCNKCENGYNFDSICRKCQCHGHVY FVKTPKICKPRSGECINCLHNTTGFWCENCL*GYVHDLBGNICIK KVILPTPEGSTILVSNASLTTSVPTPVINSTFTPTTLQTIFSVS TSENSTALADVSWTQFNIIILTVIIIVVULLMGFVGAVMYRE YQNRKLNAPFWTIELKEDNISFSSYHDSIPNADVSGLLEDGNE VAPNGQLTLTTPIHNYKA
6191	1212	1511	VNLCHGGLLHLSTHHLGKPSMH*LPFLMLSPPHLTPOQPKCPS MIDWIKKIWIYITMEYYATIKRNEIMFFAGTWMEMEAILSKLM QDYMFSLISGS
6192	3	950	TRGCGNKMAGKKNVLSLAVYAEDSEFESDGRAGIEAVGSAEEE KGGLVSDAYGEDDFSRIGDEDDGYEEEDENSROSEDDOSETK PRADDPKONTAEKRDPOQLVASFSERVRNMSPEDEIKIPPEPPG RCSNHLQDKIQKLYERKIKEGMDMNYIIQKKEFRNPSIYEKLI QFCAIDELGTNYPKDMFDPHGWSSEDSYBALAKAQKIEMDKLEK

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			AKKERTKIEFVTGTGKGGTTTATSTTTTASTAVADAQKRKSKW DSALPVTITIAQPTILITTTATLPAVVTVTTSASGSKTTVISAVGT IVKKAKQ
6193	3	950	TRGCGNKMAGKKNVLSSLA VYAE DSEPSDGEAGIEAVGSAAE KGLVSDAYGEDDFSR LGGDE DGYRBEDE NSRQSEDDDS3TEK PEADDPKONTEAEKRDPOELVASFSERVRNMSPEIKIPPEPPG RCSNHLQDKIQKLYERKIKGMDMNYIIQRKKFPRNPSIYEKLI QPCAIDELGTYNPKDMFDPHGWSEDSYREALAKAQKIEMDKLEK AKKERTKIEFVTGTGKGGTTTATSTTTTASTAVADAQKRKSKW DSALPVTITIAQPTILITTTATLPAVVTVTTSASGSKTTVISAVGT IVKKAKQ
6194	3	950	TRGCGNKMAGKKNVLSSLA VYAE DSEPSDGEAGIEAVGSAAE KGLVSDAYGEDDFSR LGGDE DGYRBEDE NSRQSEDDDS3TEK PEADDPKONTEAEKRDPOELVASFSERVRNMSPEIKIPPEPPG RCSNHLQDKIQKLYERKIKGMDMNYIIQRKKFPRNPSIYEKLI QPCAIDELGTYNPKDMFDPHGWSEDSYREALAKAQKIEMDKLEK AKKERTKIEFVTGTGKGGTTTATSTTTTASTAVADAQKRKSKW DSALPVTITIAQPTILITTTATLPAVVTVTTSASGSKTTVISAVGT IVKKAKQ
6195	736	235	VANGIQSNMPPKPYCDYCDTYLTHDSPVRKTHC9GRKHENVKD YYQKWMBEQAQSLIDKTTAAFPQGGKIPPTFPSPAPPAGAMIPPP PSLPGPPRPGMMMPAHMGGPPMMPMMGPPPPGMMFVGPAPGMRP PMGGHMPMPMPQPPMMPRPPARPMMPVTRPGMTRPDR
6196	1512	623	KTGKRRSAAYVRNILDNAEQVINSLEARNLSPRLTPLIQEEDSH QRLLMGLMVSSELKDHLRHLQGVKKKIEQMVLDYISKLLDLIC HIVETNWRKHNLSWVLFNSRGSAAEFVAVHIMTRILEATNSL FLPLPPGFHTLHTILGVQCLPLHNLHCIDSGVLLLTETAVIRL MKDLNTEKNEKLFESIIVRLPPLIGQKICRLWDHPMSNII SR NHVTRLLQNYKKQPRNSMINKSSPSVBEPLPNYPIEILTDIESS NQALYPPEGHNDVDAEFVEEAALKHTAMLLGL
6197	3	819	ADPEGTREAVMSRYTRPNTSLFIRNVADATRPDLREFFGRYG PIVDVYIPLDFYTRRRPGFAYVQPEDVRDAEDALYNLRKWVCG RQLEIQFAQGDRTKPCQMKSKERHPCSPSDHRRSRSPSQRRTRS RSSSWGRNRRRSDSLKESRHRFPYSQSXSRLPLRRSTGARQ SRTYFRNFGRGRSRSKSLQKRSKSIKSKSSSPQKQTSSGTS RSHGRHSDIARSCKSPKGYTNFETRVQTAHSHFRSHSRSR YRHKNSW
6198	111	1912	SEALSPSFISPAFLRKLPALEDGTLPHPDITLGMNVEGARS RENHAADDSEGGALDMCCSERIPGLPQPIVMFALDEAGLQDSQ REMPPPPPPSPSDPAQKPPRGAGSHSLTVRSSLCFLAASQFL LACGVLFWSGYGHIWSQATNLVSSLLTLKQLEPTAWLDSGTW GVPSLLLVFLSGGLVLTTLVWHLRTPPPPPTPLPPEDRRQSV SRQPSFTYSEWMBEKIEDDFLDLDPVPTPVFDCVMDIKPEADP TSLTVKSMGLQERRGSNVSLTDMCTPGCNEEGFGYLMSPREES AREYLLSASRVIAEELHEKALDPFLQAEFFIIPMNFVDPKEY DIPGLVRKNRYKTLNPNPSRVCCLTSPDDPLSSYINANYIRG YGGEKRYIATQGPVSTVADFWRMVWQHTPIIVMITNIEEMN EKCTEYWPPEQVADGVETVQKVIHTEDYRLRLISLKSGETER GLKHYWFTSWPDQKTPDRAPPLHLVREVEAAQQEGPHCAPII VHCSAGIGRTGCFIATSIICQQLRQBGVVDILKTTCCQLRQDRGG MIQHCEQYQVHHVMSLYEKQLSHQSP
6199	144	1211	MARENGSSSSWKKQAEDIKKIFEFKETLGTGAFSEVVLAREKA TGKLFVAKCI2KKALGKKESSIKNEIAVLRLKIHENIVALELDIY ESPNNHLYLVMLVSGGELFDRIVEKGFYTEKDASTLIRQVLDAV YYLHRMGIHRLDKPENLLYSQDEESKIMISDFGLSRMEGKGD VMSTACGTPGYVAPEVLAQKPYSAVDCWSIGVIATYLLCGYPP

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			FYDENDSKLFEQILKAEYFDSFYWDDISDSAKDFIRNLMKDP NKRYTCEQAARHPWIAAGDTALNKNIHESVSAQIRKNFAKSKWRQ APNATAVVRHMRKILHLCSSLDSSNASVSSSLSLASQKDCASGTF HAL*
6200	702	96	LPEVPHSLRPRVKPHLCCAQPAVRVMARLPKLAVFDLDYTLWPF WVDTHVDPFPHKSSDGTVRDRRGQDVRLYPEVPEVLKRLQSLGV PGAAASRTSEIEGANQLLRLFDLPRYFVHREIYPGSKITHFERL QQKTGIPFSQMIFFDDERRNIVDVSKLGVTCIHQNGMNLQTL S QGLETFKAQTGPLRSSLSERSPFEA
6201	2809	2383	GQTPRVWKMRRSLRAGKRRTAGRKSKSPPKVPIVIQDDSLPA GPPFPQIRILKRPTSNGVSSPNSTSRPTLPVKSLAQREAEYARA RKRILGSASPEREQEKPILDRPTRISQPEDSRQNNVIRQPLGP DGSQGFQR
6202	2	426	INADRAAVASSLSRPTRKMAPOKDRKPKRSTWRNLDLTHPVE DGIFFDSGNFEQFLREKVKVNGKTGNLGNVHRRPKNKITVVS E KQFSKRYLYLTKKYLKNNLRDNLRVVASDKETELRYFQISQ DDESESED
6203	419	2550	RCRPPFATAGAAASRPDRSPPSGISGSEAAAGAGAAAPASQHPA TGTGAVQTEAMKQILGVIDKRLNLEKKKGLDDYQERMNRGER LNQDQLDAVSKYQEVMTNLEFAKELQSPMALSQDIQRTIKKTA RREQLMREBAEQRLKTVLELQYVLDKLGDDVTRDQLKQGLNGV PILSEELSLDDEFYKLVDPERDMSLRNLNQYEHASIHLDLLE GKEKPCVGTYYKVLKEIVERVFQSNYFDSTHNGHGLCEEZEAA SAPAVEDQVPEAEPPAEYTEQSEVESTRYVNRQFMAETQPTS GEKEQVDEWTVETVRVNSLQQQPOAASPSVPEPESLTPVAQAD PLVRRQRVQDLMAQMGPPYNTIQDSMLDFENQTLDPAIVSAQPM NPTQNMMDPQLVCPVHSESRLAQPNQVPVQPEATQVPLVSSTS EGYTASQPLYQPSHATEQRQKBPIDQIQATISLNTDQTASSS LPAASQPQVFQAGTSKPLHSSGINVNAAPFQSMQTVFAMNAPVP PVNEPETLQQNQYQASYNQSFSSQPHQVEQTELQOEQLQTUVG TYHGSFDQSHQVTGNHQPPQNTGPPRSNQPYNSRGVSRGGS RGARGLMNGYRGFANGFRGGYDGYRPSFSNTFPNSGYTQSQFAP RDYSGYORDGYQQNFKRGSGQSGPRGAPRGGRGPPRPNRGMPEQM NTQQVN
6204	2933	787	CTHNLISLLGGRALIHFNRLNLKIQEGEBAHNIFCPAYDCFLV PGDIISKSVSKEMDRRYLQFDIKAFVENNPAIKWCPTPGCDRAV RLTKQGSNTSGSDTLSFPLLRAPAVDCGKGLFCWECLGRAHEP CDCQTWKNWLQKITEMKPEELVGVSRAVEDAANCLNLLTNSKPC ANCKSPIQKNBGCNMQCAKCKYDFCWCLEEWKKS FVHHEVI YRCTRYEVIQHVEEQSKEMTVEAEKKHFRQELDRFMHYTRFK NHEHSYQLBQRLKTAKEKMEQLSRALKETEGGCCPDITFIEDAV HVLLKTRRLKCSYPYGFPLEPKSTKKEIFELMOTDLEMVTEDL AQKVNRPYLRTPRHKI IKAACLVOQKRQEPLASVARGVAPADSP EAPRRSFAGGTWDBYLGFASPEYAEFQYRRHRQRRRDVHS LLSNPPDPDEPSESTLDIPEGGSSSRPGTSVVSSASMSVLHSS SLRDYTPASRSRNDLSLQALSSLOEDDPNILLAIQLSLQESGLA LDEBTRDFLSNEASLGAIGTSLPSRLDSVPRNTDSPRAALSSSE LLELGDLSMLGAENDPFSTDLSHPLSEARSDFCPSSSDPDS AGQDPNINDNLLGNIMAWPHDMNPQSIALIPPATTEISADSQLP CIKDGSEGVKQVLELVPEDSMFEDASVSEGRGTQIEENPLEENI PGGGKQHPQAW
6205	1	1200	RAHRGKMALEVGMEDGQLSDSDSDMTVAPSDRELQLPKVLGGD SAMRAFQNTATACAPVSHYRAVESVDSSERSFSDSDSDCLWKR KRQKCFNPPPKPEPFQFGSSQKPPVAGGKKINNIWGAVLQEQN QDAVATELGILMEGTIDRSRQSETYNYLLAKKLKESQEHKTD LDKELDEYMHGGKRMGSKBEBNGQGLKRRKRPVKDRLGNRPEMN

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			YKGRYEITAEQSQEKVADEISFRLQEPKKDLIARVVRIIGNKKA I3LLMETAEVEQNGGLFIMNGSRRRTPGGVFLNLLKNTPSISEE QIKDIFYIENQKEYENKKAARKRRRTQVLGKKMKQAIKSLNFQED DDTSRETFASDTNEALASLDESQEGHAEAKLEAEEAIEVDHSHD LDIF
6206	10	1442	IIERRERSCLHLVCIRSCDVVEMGSVLGLCSMASNIPCLCGS APCLLCRCCPSGNNSTVTRLIYALFLLVGVCVACVMLIPGMEEQ LNKIPGPCENKGVVPCNILLVGYKAVYRLCFLGLAMPYLLLSLLM IKVSSSDPRAAVHNGFWFFKFAAAIAIIGAPFIPEGTFPTVW FYVGMAGAFCTLIQLVLLIDFAHSWNESWVEKNEBGNRSCWYA ALLSATALNYLLSLVAIVLFFVYYTHPASCSNKAFISVNMLLC VGASVMSILPKIQESQPRSGLLQSSVITVYTMXLTWSAMTNEPE TNCNPSLLSIIGYNTTSTVTPKEGQSVQWHAQGIIGLILFLLCV FYSSIRTSNNQVKNLTLTSDSTLHEDGGARSDDGSDGDDVH RAVDNERDGVTSYSFFHFMLFLASLYIMMTLTNWRYEYPSREM KSQWIAVWVKISSSWIGIVLYVWTLVAPLVLTNRDFO
6207	2924	1471	TVMAEAAATPGTATTSGAGAAAATAAASPTPIPTVTAPSLGAG GGGGSDGSGGGWTKQVTCRYPMHGVCKEGDNCRYSHDLSDSPY SVVCKYFQRCYCIYGDRCRYEHSKPLKQEEATATBLTKSSIAA SSSLSSIVGPLVEMNTGEAESRNSNFATVGAGSEWDVNAIEFVP GQPYCGRTAPSCTEAPLQGSVTKESSEKEQTAVETKKQLCPYAA VGECRYGENCVYLHGDSCDMCGQLVLPMDAAQRSQHIKSCIEA HEKDMELSAVQSRKDMVCGICMEVVYKKNPSERRFGILSNCN HTYCLKCIKWRSAKQFESKIIKSCPECRITSNFVIPSEYWVEE KEEKQKLLKYKRAMSNKACRYFDEGRGSCFPFGNCFYKHAYPD GRRBEPQKQVGTSSRYRAQRNHFWELEERENSFPDNDDEE VVTFFELGEMLLMLAAGGDELTDSEDEWDLPHDELEDFYDLDL
6208	2924	1471	TVMAEAAATPGTATTSGAGAAAATAAASPTPIPTVTAPSLGAG GGGGSDGSGGGWTKQVTCRYPMHGVCKEGDNCRYSHDLSDSPY SVVCKYFQRCYCIYGDRCRYEHSKPLKQEEATATBLTKSSIAA SSSLSSIVGPLVEMNTGEAESRNSNFATVGAGSEWDVNAIEFVP GQPYCGRTAPSCTEAPLQGSVTKESSEKEQTAVETKKQLCPYAA VGECRYGENCVYLHGDSCDMCGQLVLPMDAAQRSQHIKSCIEA HEKDMELSAVQSRKDMVCGICMEVVYKKNPSERRFGILSNCN HTYCLKCIKWRSAKQFESKIIKSCPECRITSNFVIPSEYWVEE KEEKQKLLKYKRAMSNKACRYFDEGRGSCFPFGNCFYKHAYPD GRRBEPQKQVGTSSRYRAQRNHFWELEERENSFPDNDDEE VVTFFELGEMLLMLAAGGDELTDSEDEWDLPHDELEDFYDLDL
6209	1758	829	ERLCFPCMQSKIYSYMSPNKCSGMRFPQLQENSVTHHEVKCQK PLAGIYRKREKRNAGNAVRSAMKSEBQKIDARKGPLVFPFNO KSRAAEPPKTPPSSCDSTNAATAKQALKKPIEGKQAPRKKQKQK TQQRKLTDFYPVRRSSRSKABLQSEERKRIDELBSGKEBGM KIDLIDGKGRGVLATKQFSRGDFVVEYHGDLIBITDAKKREALY AQDPSTGCYMYFYQYLSKTYCVDATRETNRLGRLINHSKCGNCQ TKLHDIDGVPHLILIASRDLAAGEELLYDYGDRSKASTRAHPWL KH
6210	3761	387	IFGMSKLRMVLLLEDGSGADFRHFVNLSPTITVVLISACFVT SSLGTDKELRLVDGENKCSGRVEVKVQEWGTVCNNGWSMEAV SVICNQLGCPATAIKAPGWANSSAGSGRIWMDHVS CRGNESALWD CKHDGWSGKHSNCTHQDAGVTCSDGSNLEMLTRGGNMCSGRIE IKFQGRWGTVCDDNFNIDHASVICRQLKCGSAVSFGSSSNFGE SGPIWFDLICNGNESALWNCKHCGWGHKNCDAEDAGVICSKG ADLSLRLVDGVTECSGRLEVRFGGEWGTICODGWDSDA AVACK QLGCPTAVTAIGRVNASKGFGHIWLDVSCQGHFAVWQCKHHE WGKHYCNHNEAGVTCSDGSDLELRLRGGGSRCAGTVEVEIQRL LGKVCDRGWLKEADVVCRLGCGSALKTSYQVYSKIQTNTWL

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			<p>FLSSCNGNETSLWDCKNWQGGGLTCDHYREAKITCSAHREPRIV</p> <p>GGDIPCSGRVEVKHGDITWGSICDSDFSLEAASVLCRELQCGTVV</p> <p>SILGGAHFGEGNGQIWAEFPQCEGHESHLSCPVAPRPEGTCSH</p> <p>SRDVGVCSSRYTBIRLVNGKTPCEGRVELKTLGAWGSLCNSHWD</p> <p>IEDAHVLCQQLKCGVALSTPGGARFGKNGQIWRHMFHCTGTGTEQ</p> <p>HMGDCPVTALGASLCPSEQVASVICSGNQSQTLSSCNSSSLGPT</p> <p>RPTIPBESAVACIESGQLRLVNGGGRCAGRVEIYHEGSGWTICD</p> <p>DSWDLSDAHVVCRLQCGEAINATGSAHFEGGTGPINWDEMCKN</p> <p>GKESRIWQCHSHGWGQONCRHKEDAGVICSEFMSLRILTSEASRE</p> <p>ACAGRLEVFYNGAWGTVGKSSMSETTVGVVCRQLGCADKGIKINP</p> <p>ASLDKAMSIPMWVDNVQCPKGPDTLWQCPSSPWEKRLASPSSET</p> <p>WITCDNKIRLQEGPTSCSGRVEIWHGGSGWTVCDDSWDLDDAQV</p> <p>VCQQLGCGPALKAFKRAEFGQGTGPINWNEVKCKGNESLWDCP</p> <p>ARRWGHSECGHKRDAAVNCTDISVQKTPQKATTGRSSRQSSPIA</p> <p>VGILGVVLLAIFVALPFLTKRRRQRRLAVSSRGENLVHQIQYR</p> <p>EMNSCLNADDLDLMNSSGGHSEPH</p>
6211	3761	387	<p>IFGMSKLRMVLLSDSGSADFRHFVNLSPTTITVVLILLSACFVT</p> <p>SSLGGTDKELRLVDGENKCSGRVEVKVQRENGTVCNNGWSMEAV</p> <p>SVICNLQGCPTAKAPGNANSSAGSGRIWMDIIVSCRGNESALWD</p> <p>CKHDGWSKHGNCNTHQQDAGVTCSDGSLNEMRLTRGNMCSGRIE</p> <p>IKFQGRWGTVCDDNFNIDHASVICRQLECGSAVSFSGSSNFGEG</p> <p>SGPIWFDDLICNGNESALMNCKHQGWGKHNCDAEDAGVICSKG</p> <p>ADLSLRILVDGVTESGRLEVRFGEGWTICDDGWSYDAAVACK</p> <p>QLGCPTAVTAIGRVNASKGFGHIWLDVSVCQGHAPVWQCKHHE</p> <p>WGKHYCNHNEAGVTCSDGSDLELELRGGGSRCACTVEVEIQRL</p> <p>LGKVCDRGWGLKEADVCRQLGCGSALKTSYQVYSKIQTNTWL</p> <p>FLSSCNGNETSLWDCKNWQGGGLTCDHYREAKITCSAHREPRIV</p> <p>GGDIPCSGRVEVKHGDITWGSICDSDFSLEAASVLCRELQCGTVV</p> <p>SILGGAHFGEGNGQIWAEFPQCEGHESHLSCPVAPRPEGTCSH</p> <p>SRDVGVCSSRYTBIRLVNGKTPCEGRVELKTLGANGSLCNSHWD</p> <p>IEDAHVLCQQLKCGVALSTPGGARFGKNGQIWRHMFHCTGTGTEQ</p> <p>HMGDCPVTALGASLCPSEQVASVICSGNQSQTLSSCNSSSLGPT</p> <p>RPTIPBESAVACIESGQLRLVNGGGRCAGRVEIYHEGSGWTICD</p> <p>DSWDLSDAHVVCRLQCGEAINATGSAHFEGGTGPINWDEMCKN</p> <p>GKESRIWQCHSHGWGQONCRHKEDAGVICSEFMSLRILTSEASRE</p> <p>ACAGRLEVFYNGAWGTVGKSSMSETTVGVVCRQLGCADKGIKINP</p> <p>ASLDKAMSIPMWVDNVQCPKGPDTLWQCPSSPWEKRLASPSSET</p> <p>WITCDNKIRLQEGPTSCSGRVEIWHGGSGWTVCDDSWDLDDAQV</p> <p>VCQQLGCGPALKAFKRAEFGQGTGPINWNEVKCKGNESLWDCP</p> <p>ARRWGHSECGHKRDAAVNCTDISVQKTPQKATTGRSSRQSSPIA</p> <p>VGILGVVLLAIFVALPFLTKRRRQRRLAVSSRGENLVHQIQYR</p> <p>EMNSCLNADDLDLMNSSGGHSEPH</p>
6212	1	1134	<p>LKWELRPGGAVWGTGRGAGTGAPRSCCCQTNPGPPSSLRAFR</p> <p>RELPPACHEIGLGAENGSGPPAPAPARESRSRAMEERASSPGL</p> <p>GCSKPHLEKLTIGITRILESSPGVTEVTIEKPPARRHMISSWE</p> <p>QKNNCVMPEDEVKNFYLMINGFHTWSVKLDEHIIPLGSMAINS</p> <p>SKLTQLTQSSMYSLPNAPTLADLEDDTHEASDDQPEKPHFDSRS</p> <p>VIFELDCNGSGKVCLVYKSGKPALARDTEIWFDRALVWHPIT</p> <p>DTFTAYYRLITHLGLPQWQYAFTSYGISPAQQRVSMYKPIY</p> <p>NTNLLTEETDSFVNKLDPKVFKSKNKIVIPKKKGPVQAGGQK</p> <p>GPSGPPSGPSTSSTSKSSSGGNPTRK</p>
6213	1	1134	<p>LKWELRPGGAVWGTGRGAGTGAPRSCCCQTNPGPPSSLRAFR</p> <p>RELPPACHEIGLGAENGSGPPAPAPARESRSRAMEERASSPGL</p> <p>GCSKPHLEKLTIGITRILESSPGVTEVTIEKPPARRHMISSWE</p> <p>QKNNCVMPEDEVKNFYLMINGFHTWSVKLDEHIIPLGSMAINS</p> <p>SKLTQLTQSSMYSLPNAPTLADLEDDTHEASDDQPEKPHFDSRS</p>

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			VIFELDSGSGSKVCLVYKSGRPALEDEIWFLLDRALYNHFLTDTFTAYYRLLI THLGLPQWQYAFSTSYGISPOAKORVSMYKPITYNTNLLTERTDSFVNKLDPSKVFSKNKIVIPKKKGPVQPAGGQKGPSGSPGSTSSSTKSSSGSGNPTK
6214	2	460	HELAPSAIRRAARLGLPARWQSRRAAFVVRGFRGTGWSFVGWVVLGTSARTRTLFFFLSKMAASSRAQVLALYRAMLRRESKRPSAYNYRTYAVRRIRDAFRENKVNKDPVEIQTLVNKAKRDLGVIRRRQVHIGQLYSTDKLIENRDMPT
6215	2	1849	FVAGSGPRGSGSAETMPERIVTPIGAGQDVGRSCILVSIAGKNVMLDCGMHMGFNDRRFPDFSYITQNGRITDFLDCVILISHFHLDCGALPYFSEMVGYDGPITYMHTPTQAI CPILEDDYRKLAVDKKGANFPTSQMIKDCMKKVAVHLHQTVQVDDLELIXAYYAGHVLGAAMPQIKVGSSEVVYTGDNMTDPRHLGAAWIDKCRPNLLITESTYATTIRDSKRCRERDFLKKVHETVERGGKVLIPVFALGRAQELCILLETFWERNMLKVPIYFSTGLTERKANHYYKLFIPWTNQKIRKTFVQRNMPBFKHIAFDRAFDNPGPMVVFATPGMLHAGQSLQIFRKWAGNEKNMVIMPGYCQGTGCHKLSGQRKLEMEGRQVLEVMQVEYMSFSAHADAKGIMQLVGQAEPESVLLVHGEAKKMEPLKQKIEQELRVNCYMPANGETVTLTSPSIPVGISLGLLKREMAQGLLPEAKKPRILLHGTLLMKDSNFRILVSSEQALKELGLAEHQLRFTCRVHLHDTRKEQTALRVVYSHLKSVDKDHCVQHLDPGGSVTVRSVLQMAAPSEDPGTKVLLVSWTYQDEBLGSPILTSLLKKGLPQAPS
6216	11	393	QITREPEPRNSALRQSRSKMAVGVSVSRLLIGRSRPLGRFMSSGAHGEESGARMWKTITFFVALPGVAVSMLNVYLKSHHGEHERPEFIAYPHLRIRKTKPPFWGDNHTLPHNPHVNPLPTGYEDE
6217	9	1178	TRVGRGESGLKMEVKPPPGRPQDSGRRRRRRGEGHDPKEPEQLRKLFIGGLSPFETDDSLREHFEKWTGTLDCVVRDPQTKRSRGPGFVTYSVVEVDAAACARPHKVDGRVVEPKRAVSREDSVKPGAHLTVKKIPVGGIKEDTEBYNLRDYFEKYGKIETIEVMEDRQSGKLRGPAFVTFDDHDTVDKI VVQKYHTINGHNCEVKKALSQKQMSAGSQRRGRGGSGNFMGRGNGFGGGGNFGRGNGFGRGGYGGGGGSGRGSYGGGDDGYNGFGGDDGNGYGGGPGYSSRGGYGGGPGYGNQGGGYGGGGYDGYNEGGNFGGNGYGGGNYNDFGNYSQQQS NYGPMKGGSGGGRSSGSPYGGGYGGGGGGYGSRRF
6218	1305	906	SCERRGFIMADDLKRFLYKLLPSVBLEHAI VVSDRDGVVPIKVA NDNAPHEALRPGLSTFALATDQCSKLGSLKNSIICYNTYQV VQFNRLPLVVSFLASSANTGLIVSLEKELAPLEELRQVVEVS
6219	2	890	AGPGEGAGAGTRCAGAAEMASAGGEDCESPAPRADRPHQRFLLIGVSGGTASGKSTVCEKIMELLGQNEVBRQRKVVLISQDRFYKVLTAEQKAKALKGQYNFDHPDAFDNDLMHRTLKNIVEGKTVEVP TYDFVTHSRLPETTVVPADVVLFEGLLVFYSQIRDMFHLRLP VDTSDVRLSRRVLRDVRGRDLQILTYTTTVPKPAFEBPCLP TKKYADVIIPRGVDNMVA INLIVQHTQDILNGDICKNHRGGSNG RSYKRTFSEPGDHPGMLTSGKRSHLESSSRPH
6220	227	764	BQNISLEMSCTIEKALADAKALVERLRDHDAAESLIEQTALNKRVEAMKQYQERIQELNEVARHRPRSTLVMGIQENRQIRELQOENKELRTSLREHQSALELIMS KYRQMFRLMASKDDPGIIMKLKEQHSKIDMVHRNKSEGFLLDASRHILEAPQHGLERRHLEANO NVH
6221	98	916	RWIWDLNPFVSDGLELRPKYNGILHCLTTIWKL DGLRGLYQGVTPNIWGAGLSWGLYFVFNALKS YKTEGRAERLEATEYLVSAABAGAMTLCITNPLWVTKRLMLQYDAVNSPHRQYKGMPTLVKIIK YRGVRGLYKGFVPGLPGTSHGALQFMAYELLKLKYNQHINRLPEAQLSTVEYISVAALS KIFAVAATYPYQVVRARLQDQHM FYSGVIDVITKTWRKEGCGFYKGIAPNLRVTPACCITPVVYENVS HFLDLREKRK

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6222	2	2116	MARELRALLLWGRRLRPLRAPALAAVPGGKPLCPRTTAQLG PRRNPAWSLQAGRLFSTQTARDKEEPLHSIISSTESVQGSTSKH EFQAEETKLLDIVARSLYSEKEVFIRELISNASDALEKLRHKL SDGQALPEMEIHLQTNAEKGTITIQDTGIGMTQBELVSNLGTIA KSGSKAPLDALQNAEASSKIIGQFGVGFYSAPFVADRVEVYSR SAAPGSLGYQWLSGSGVFEIABAGVRTGTCTIIHLKSDCKEF SSEARVRDVVTKYSNFVSFPLYLNGRRMNTLQAIWMDPKDVR WQHEEFYRYVAQADKPRYTLHYKTDAPLNIRSIPTVPDMKPSM PDVSRRLGSSVALYSRKVLIQTKATDILPKWLRFRIGVVDSEDI PLNLSRELLQBSALIRKLRDVLQORLIKPFIDQSKKDABKYAKF FEDYGLFMREGIVTATEQEVKEDIKLLRYESSALPSGQLTSL EYASRMRASTRNIYYLCAENRHLAEHSPTYEAMKKDTEVLFCF EQFDELTLHLREFDKKLLISVETDIVVDHYKEEFEDRSPAAB CLSEKETTELMAWMNRNLGSRVTNVKVTLRDLTHPAMVTVLEMG AARHFLRMQQLAKTQERRAQLLQPTLEINPRHALIKKLNQLRAS EPGLAQLLVDTIYENAMIAAGLVDDPRAMVGRNLKLLVKALERH
6223	3	715	DAWARTMAGMVDFODEQVKSPLENMEVECNVHCYHEKDPDGCY RLVDYLEGIRKNFDEAAKVLKPNCRENQHSDCYKLGAYVVTGK GGLTQDLKAAARCFPMACEKPKGKSTACHNVGLLAHDGQVND GQPDLGKARDYTTACDGGYTSSCFNLNAMPLOGAPGFPKMDML ACKYSMKACDLGHIWACANASRMVYKLGQGVDKVEAKAEVLKRA QQVHEQKQKGVQPLTFG
6224	1	133	LRTISSMAWGPIILLTLLAHTGSAQSVLTQPPSVSGARIPHEK
6225	3259	938	LLSCHRLATCKLPFSVESRKTVMGPGARRQAPLAFAGDVTVDPT QKENRLLSPAQRALYREVLTENYSHLVSLGILHSEKPELIRLEQ GEVPNGEERRRRPGPCAGIYAEHVLKPKNLGLAHQROQQQLQFSD QSFQSDTAEGQKEKSTKPMFSSPPLRHAVSSRRRNSVVEIES SQGQRENTEIDKVLKGIENSRWGAFCARRGQDFSRKMMVITH KKAHSRQKLFTCRECHQGFDEBSALLHONHTGSEKSYVCSVCG RGFSLKANLLRHQRTHSGEKPFCLKVCGRGYTSKSYLTVHERTH TGEKPYECQECGRFPNDKSSYNKHLKAHSGEKPFCVCKEGRGYT NKSYPVVHKLHSGEKPYPQCEGRGFSNKSHTLHQRTHSGEK PFACROCKQSFVSGSLLRHQRTHSGEKPFVCKDCERSFSQKST LVYHQRTHSGEKPFVCRECGQFIQKSTLVKHQITHSBEKPFVC KDCRGFIQKSTFTLHQRTHSBEKPYGCRECGRRPRDKSSYNKH LRAHLGEKRFPCRDCGRGFTLKPNTLHQRTHSGEKPFMCKQCE KPSPLKANLLRHQWTHSGERPFNCDCGRGFIKSTLLFHQKTH SGBKPFICSECGQFIWKSNLVHQLAHSQKQPFVCKEGRGFN WKNLLTHQRTHSGEKPFVKNVCGQGFVSKRSLTRHHWRHHSKE KPFVQCECKRGYTSKSDLTVHERIHTGERPYECQECGRKFSNKS YYSKHLKRHLREKRFCTGSGVEASS
6226	29	266	TKVSELLGGSQRLFFPLWRRRLCRGGLGPRVSPMAGPRVEVDGS IMBGCGQLRVSTGLSWLLSLPWRAQRIRAGRSYA
6227	2581	890	MSASSLLEQRPKGQGNKVQNGSVHQDGLNDDDFEPYLSPOARF NNAYTAMSDSYLPSYSPSIGFSYSLGBAAWSTGGDTAMPYLT YQQLSNGEPHFLPDAMFGQPGALGSTPFLGQHGFNFPFGIDPS AWGNSSQGGSTQSSGYSSNYAPSSLGAMIDGQSAPANETL NKAPGMNTIDQMAALKLGSTEASNVKVVGSVAVSGSITSNI VASNSLPPATIAPPKASWADIASPAKQPKLTKNGIAGSSL PPPIIKHMDIGTWDNKGPAKAPSAQALVQNIQPTQSGSPQPVG QQANNSPVAQASVQQTQPLPPPPFQPAQLSVQQQAAQPTRNW APRNRGSGFGHNGVDGNGVQSGQAGSGSTPSEPHVLEKLRIN NYPKDFDWNLLKHGRVFIISKYSEDDIHSIKYNIWCSTBHGK RLDAAYRSMNGKGPVYLLFSVNGSGHFCGVAEMKSAVDVNTCAG VWSQDKWKGRFDVRIIFVKDVPSQLRHRIRLENNENKPVNTSRD TQVPLEKAKQVLKIIASYKHTTSIFDDFSHYEKRQ

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6228	47	1978	GRRRCRRRGAVMELAQEARKLGCAVEEMGVPAARAPESTLRLRL CLGQGADIWAYILQHVHSQRTVKKIRGNLLWYGHQDSQVRRKL ELEPAVTRLRAEIQELDQSLERMDTEAQTAMEQARQHTQDT QRRALLLRAQACAMRRQOHTLRDPMQRIQNLRLQDMERKAKV DVTFGSLTSAALGLEPVLVDVRTACTLRAQFLQNLILLPQAKRG SLPTPHDDHFGTSYQQWLSVETLLTNHPPGHVLAALHHLAER EABIRSLCSGDGLDTEISRFPAPDQSDSSQTLPSMVHLIQEGW RTVGVLVSQRSTLLKRRQVLTORLQGLVEEVERRVIGSSERQVL ILGLRRCCLTWELKALHDOSQELQDAAGHRQLLLRELQAKQORI LHWRLQVEETQEQVRLIKGNSASKTRLCRSPGEVLALVQRKVV PTFEAVAPQSRRELLRCLEEEVRHLPHILLGLTLRHRPGEIKPLP TVLPSIHLHPASPRGSSFIALSHKGLPCKASELLLPAAASL RQDLLLLQDQSLWCWDLLEHMTSLPGLPTQELLIQASQEKQ QKENLQALKRLEKLLKQALERIPELQGIQVGDWWEQPGQAALSE ELCQGLSLPQWRLRWVQAQALQKLC
6229	1571	560	GPSLLGTGTPNPARTLIQIFLLIGRRITGRMAAVDDLQFREFG NAATSLTANPDATTVNIEDPGETPKHQPGSPRGSGREDDKLLG NDDSDKTELLAQKKSSPFWTFEYYQTFDVTYQVDRIKGSL LPIDGKNFVRLYIRSNPDLYGPPNICATLVFAIAISGNLSNELI HLGEKTYHYVPEFRKVSIAATIIYAYAWLPLALWGLFMWRNSK VMNIVSYSELEIVCVYGYSLFIYIPTAILWIIPHKAVRWILVMI ALGISGSLAMTFWPAVREDNRRVALATIVTIVLLHMLLSVGCL AYFFDAPEMDHELTATTATPNQTVAAAKSS
6230	1723	600	SKMSGRSGKKKMSKLSRSRAGVIFPPVRLRMRYLKKGTFKYRIS VGAPVYMAAVIEYLAELAGNAARDNKKARAPRHILLAVA NDEELNQLLKGVITIASGGVLPRIHPELLAKKRGTKGKSETILSP PPEKRGKATSGKGGKSKAKPRTSKSKPKKDSDEKETSNT SEDGPDGPTILSSKSLVLGQKLSLTQSDISHIGSMRVEGIVHP TTABIDLKEDIGKALEKAGKEFLETVKELRKSQGPLEVAEAAV SQSSGLAAKPVHCHIPQWGSCKCEQLEETIKNCLSAARDKKL KSAVFPFPPSGRNCFFKQTAQVTLKALSAHFDDSSASSLKNVY FLLFDSSESIGIYVQEMAKLDAK
6231	149	870	LYFSSSTMDRSRLNVLVVSFGFLLPTAYGGLQSLQSSLYSEB LGVLTALSTLYGCMILLSSMFLPPLIERLGCKGTILSMCGVAF SVGNFPASWYTLIPTSILLGLGAAPLWSAQCTYLTITGNTHAEK AGKRKDMVNQYFGIFPLIFQSSGVWGNLISLVPFGQTPSQETL PEBQLTSCGASDCIMATTTTNTSTQRPSSQQLVYTLGIYTGSGVL AVLMIAAFLQPIRDVQRESE
6232	3679	1476	FVAGTTMAGFWGTAPLVAAGRGRWPPQQLMLSAALRTLKHVL YYSRQCLMVSRNLGSGVGYDPNEKTFDKILVANRGEIACRVIRTC KKMGIKTVAIHSDVDASSVHVMADEAVCVGPAPTSKSYLNMDA IMEAIKKTRAQAVHPGYGFLSENKEFARCLAAEDVVFICPDTHA IQANGDKIESKLLAKKAEVNTIPGPDGVVDAEAVRIAREIGY PVMIKASAGGGGKGMRIAWDDEETRDGFRLSSQEAASSFGDDRL LIBKFIDNPRHIEIQVLGDKHGNALWLNRECSIQRRNQKVVEE APSIFLDAETRRAMGEQAVALARAVKYSSAGTVEFLVDSKKNFY FLEMNTRLQVEHPVTECITGLDLVQEMIRVAKGYPLRHQADIR INGWAVECRVYARDPYKSPGLPSIGRLSQYQEPHLPLPGVRVDSG IQPGSDISIYYDPMISKLITYGSDRTEALKRMADALDNYVIRGV THNIALLEVIINSRFVKGDISTKFLSDVYPDGFKGHMLTKSEK NQLLAIASSLFVAFQLRAQHFOENSRMPVIKPDIANWELSVKLH DKVHTIVASNNGSVFSVEVDGSKINVTSTWNLASPLLSVSDGT QRTVQCLSRREGNMSIQFLGTVYKVNILTRLAABLNFMLEKV TETISSVLRSMPGVVVAVSVKPCDAVABQETICVIEAMKMQNS MTAGKTGTVKS VHCQAGDVTGEGDLLVELE
6233	1	2654	HSTRENLNAGNFNFPSEGLHVRSTGPGGSFAKHMAVCVSPKPG

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			LACSRTYFFGATHVPYLGSDSKLPKKTEQIRLLSQIYAAVIEAV LAGIACYAKTSSLTAKAEVAEQTLGSGLDSEFLIPFKAALRSKM TFHIHAVNNQGRIVPLDSEDSLSFVKTACMAVVDIDDLGGNGC LGSVVFSSEFLTSQILVKEKDGTVTTTSSVVLTAAPRFCSWL VEDNEVKLSEKTHQAVRGDESFLGTLYLTGEGAYLYSSNLQSWP EGNVHFPSSGGLLFSHCRHGSIIISKDHMSISFYDODSTSTVA ALLIDPKSSLLPFLPVHFGSSNFMIALFPKSKIYQAFYSSEV SLWRQDNGSGISLKVIOEDGLSVBQKRLHSSAQKLFSAQSOPAG EKRSSLKLLSAKLPELDWFLQHFPAISSISQEPVMRTHLPVLLQ AEINTTHRIESDKVIISIVTGLEPGCHASELCAFLVTLHKBCGRW MVYRQINDSSECFHAAHPQRYLSSALEAQNRSAQSAVIRKKT RLLVVLQGYTDVIDVQALQTHPDSNVKASFTTIGAITACVBPMS CYMEHRFLFPKCLDQCSQGLVSNVVTSTTEQRHPLLVQLQSL IRAANPAAAFILAEINGIVTRNEDIELILSENSESSPEMLRSRYL MPGWYEGKLNAGSVYPLMVQICVWFGPFLKTRFVAKCKAIQS SIKPSPPSGNIYHILGKVKPDSERTMEVCYNTLANSLSIMPVL EGPTPPPSKSVSQDSSGQCECYLVFIGCSLKEDSIKDWLRQSA KQKPKRKALKTRGMLTQQEIRSIHVKRHLEPLPAGYFYNGTQFV NFFGDKTDFHPLMDQFMNDYVERANREIRKYNQELEQQEVHDLF BLKP
6234	1731	404	PRVREDMDHKSFGNKGSLVYAGIKSTVKSLSLGMVSSRRHNWGL DKQSDIQNLNBERILALQLCGWIKGTDVDVGPFLNSLVQBGW ERAAVALEFNLDIRRAITQLNEGASSEKGLNLNVVAMALSGYT DEKNSLWREMCSTLRQLQNNPFLCVMFAPLTSETGSYDGVLYEN KVAVRDRVAPACKFLSDTQLNRYIEKLTNEMKEAGNLEGI LLTG LTKDGVLMESYVDRTGDVQTASYCMIQSSPLOWLKDQVQYWI ENYRNLLDANRFWHKRAEFDIHRSLDPSSKPLAQVFPVSCNFCG KSTISYSCSAVPHQGRGFSQYGVSGSPKSKVTSCPGCRKPLPRC ALCLINMGTPVSSCPGGTKSDEKVDLSKDKKLAQFNNWPTWCHN CRHGGHAGHMLSWPRDHABCPV3ACTCKCMQLDITGNLVPATV QP
6235	1	571	EKRDRHRLPSWPRAALKVPGRGGRVGTTPELAAGGIMATRNPPPO DYESSDDSYEVLDTLEYARRHQWNRVFGHSSGPMVKYSVATQ IVMGVGTGWCAGFLPQKVGKLAATAVGGGFLLLQIASHSGYVQI DWKRVKDVNKAQRQIKGRANKAAPEINNLIREATRFIKQNI SSGFVGGFLIGLAS
6236	1	703	WDQNKGAAGSGLTFLPSLSARFSAGPPTQSRPTMSNMEKHLF NLKFAAKELSRSAKCKDEKAEKAKIKKAIQKGNMEVARITHAE NAIRQKNQAVNFLRMSARVDAVAARVQTAVTMGKVTKSMAGVVK SMDATLKTMLNLEKISALMDKFEHQFETLDVOTQOMEDTMSSTTT LITPQNTQVMDLLQEMADHAGLDLNMELPQCGTGSVGTSVASABQ DELSORLARLRDOV
6237	312	720	PTAMAREGIAAGGVMDVNTALQEVLTALIHDLARGIREAAKA LDKRQAHLCVLAASNCDEPMYVVLVEALCAHQINLIKVDNKKL GEWVGLCKIDREGKPRKVVGCSCVVVKDYKESQAKDVIERYFK CKK
6238	2	4666	ERVPTQESVKEINVIKKNPEIVFVADMTKNDAPALVITTQCEI CYKGNLENSTMTAAIKDLQVRACPFLPVKRGKITTVLQPCDLF YQTTQKGTDPQVIDMSVKSLLTKVS?VIINTMITITSALYTTKE TIPEETASSTAHLWEKKDTKTLKMWFLRESNETEKIAPTTELVP KGEMIKMNIDSIFIVLEAGIGHRTVPMLLAKSRFSGEGKNWSSL INLHCQLELEVHYNYEMFGVWEPLLEPLEIDQTEDFRPWNLGK MKKKAKMAIVESDPREBNYKVPYKTVISFHSKDQLNITLSKCG LVMLNNLVKAPTAAATGSSADPVKDLAPFMIILNSLGLTISVSPS DSFVNLNIPMAKSYVLENGESLSMDYIRTKDNDFNMTSLSSK LFPILLTPVNHSTADKIPITKVGRLTYTVHRESGVERSIVCQI

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			<p>DTVEGSRKVTIRSPVQIRNHFSVPLSVYEGDTLLGTASPENEFPN IPGYSYRSFIFLKPEDENYQMCBGI DFBFIKNDGALLKKKCRS KNPSKESFLINIVPKDNLTSLSVYSEDGWDLPYIMHLWPPILL RNLFPYKIAYYIEGIEENSVEFTLSEGHSAQICTAQLGKARLHLKL LDYLNHDWKSEYHIKPNQDISFVSFTCVTEMEKTDLDIAVIMT YNTGQTVVAFHSPYMMVNKTGRMLQYKADGIHRKHPNPKPVV FSFQPNHFFNNKVKQLMVTDSLSNQFSIDTVGSHGAVKCKGLK MDYQGVVTIDLSSFNITRIVTFTPPYMIKNKSKYHISVASEGND KHLSDLEQCIPFNPKYASSKLLIQVERSEDPPKRIYMNKQENC ILLRLDNELGGI IAEVNLAEHSTVITFDLVHDCGAATPLLINHTK NELVQYNQSSLSSEIRDSLPFGKAVFYTWADPVGSRRLKWRCKRS HGEVTKQKDDMMMPIDLGEKTIYLVSFTEGLQRIILFTEDPRVFK VTYSEKAEALAEQELAVALQDVGISLVNNYTKQEVAYIGITSSD VWVETPKPKKARWPKMSVKHTEKLEREFREYTESPSEDKVIQL DTNVFVRLTPTGHNMKILQPHVIALRRNLYLPALKVEYNTSAHQS SFRIQIYRIQIQNQIHGAVFPFVFPVKPKSVTMDSAPKPFDT VSIWMRSAGHSQISRIKYFKVLQEMDLRLDLGFTYALTDLMTR AEVTENTEVELPHKDIRAPKREYKTASLVDQSQVSLYEYHIS IKHLVSVLSGGRERAKDSKQNGGLIPVHSLNLLKSIGATLTD VQDVVFKLAFFELNYQFHTSDLOQSEVIREYSKQAIKQMYVLL GLDVLCNPPGLIREFSEGVAFYRPPYQGAIQGPBEPVGMALG LKALVGGAVGGLAGAASKITGAMAKGVAAMTMDRDYQKREAM NKQPAQFREGITRGGKGLVSGFVSGITGIVTKPIKGAQKGGAG FFKGVGKGLVGAVARPTGGIIDMASSTFQGIKRATETSEVESLR PPRFNEDGVIRPYRLDGTGNQMLQRIQFYREWIMTHSSSSDD DDDDDDDDSDLNH</p>
6239	2108	634	<p>KPGMAGKSSGSRPLLLGLLVAVATVHLVICPYTKVERSFNLQA THDLLYHQDLEQYDHFEPGVVPRTPFLGPVVIAVFSPPAVVVL SLEMSKPYSQLIVRGVLGLGVIFGLWTLQKEVRHFGAMVATM PCWVTAMQPHLMFYCTRTLPNVLALPVVLLALAAWLRHEWARFI WLSAPAIIVFRVSLCLPLGLLLLLALGNRKVSVRALRHAVPAG ILCLGLTVAVDSYFNRQLTNPEGKVLWYNTVLNKSNNWGTSPLL WYFYALPRGLGCSLLFIPLGLVDRRTHAPTVLALGFMALYSLL PHKELRFTIYAFMLNITAAAGCSYLLNNYKKSNNLYKAGSLVI GHLVNAAYSATALLYSHFNYPGGVAMQRLHQLVPPQTDVLLHI DVAAAQGTGVSRLQVNSAWRYDKREDVQPGTGMLAYTHILMEAA PGLJALYRUTHRVLASVVGTTGVSLLNLTLQPPFNVLQTKLVLL ERLPRPS</p>
6240	2202	1176	<p>HERGDSLKEPTSIAESSRHPSYRSEPSLEPESFRSPTFGKSFHF DPLSSGSRSSSLKSAQGTGFELGQLQSI RSEGTSTSYKSLANQ TRNGSLSYDSILTPSDSPDFESVQAGPEPDPLGYTSPFLSARL AQQREARHPRLVPTGPTTHR3PSFVRDNLRSRHIVASLQEREKL LRQSPPLPGREEBPGLGDSGIQSTPGSGHAPRTSSSSDDSKRSP LGKTPILGRFAVPRFGKPDGLRGRGVGSPEEGPTAPYLGRMSYS SQKAQPGVSETEEVALQPLILTPKDEVQLKITYSKSNGQPKSLGS ASPGPGQPLSSPTRGGVKKVSGVGGTTYEISV</p>
6241	3	1341	<p>RNAEKKRLSLQREKILARVSDNRTRALVQALRRTTDPKLCIT RVEELTFHLLRFPPEGKGVAVKERRIPYLLRLRQIKDETQAQAVR EILALIGYVDPVKGRGIRILSIDGGTRGVVALQTLRKLVELTQ KPVHQLFDYICGVSTGAILAFMILGLFIMPLDECEELRYKLGSVD FSQNVIVGTVRMSWSHAFYDSQTWENILKDRMGSALEMTARNP TCPKVAAVSTIVNRGITPKAFVFRNYGHFPGINSHYLGCCQYKM WQAIRASSAAPGYFARYALGNDLHQDGGLLNNPSALAMHECKC LWPDVPLECIVSLGTGRYRSDVRNTVYTSLSKTKLSNVINSATD TEEVHIMLDGLLPPDTYFRFNPVMCENIPLDESRNEKLDQLQLR GLKYTERNEQMKKVKAKILSQRKTTLQKINDWIKLKTDMYEGLP</p>

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6242	198	1310	FFSKL QHFLFGAETWSPGAAVCTARRFPGRSLAAPPRAAPRAVEMGE SSEDIDQMFSTLLGEMDLLTQSLGVDLTLPDPNPPRAEPNYSV GPKDLNESLNALEDQDLALMADLVADISRAEQRTTQAQKESLQ NQHHSASLQASIFSGAASLGYGTVNVAATGISQYEDDLPPPPADP VLDLPLPPPPPEPLSQEEREAQAKADKIKLALKEKLKAKVKLV VKVHMNDNSTKSLMVDERQLARDVLDNLPEKTHCDCNVWCLYE IYPELQIBRPFEDHENVVEVLSDWTRDTENKILFLKEEKEYAVF KNPQNFYLDNRGKKESKETNEKMNKNKESLLEVRLLQSGRKB KDVCSIFKSPASENNGKI
6243	1509	614	RSASRFSGCWSKDSCTCCCPSTCWSRSSASCPRARWPPSSAPAT TSRASSRRLACGPQTRAGAEIRSTAMIRANSAARDTRRATCRSA AGTPSPITMTCLTDVPTGCAAVEPTARLPAAANASTITGCCPA MGQAGAGPAGRGSEAGGGPGRAHHAHPSPLPREPRVRTGPPAH SPTPGSIDSPELSWGSAGVTQESPLLDVDFLLPRTRAVDPLR RVFFFFYQHLTFFSIQPPPPCHAFHPRDPPAGTKRQLILVPLK GPPILAPILSLTPILSRWSCYFPRSRIAQGWHL
6244	2119	1745	FEHAYASQFGTFLGNNESEKCKLQKQKMSLWSWVNPQSELSK FTNPLFRANNLVIWPSVAPQSLPLWEGIFLRWNRSSKYLDRAYE EMVNIIEYNKRLQAKVNILRRQLARLETEDEGMQESP
6245	81	1148	LSLRNAKYSFPQELISLFSMTDLNDNICKRYIRMITNIVILSLI ICISLAFWIISMTASTYYGNLRPISPRWLFSSVVPVLIVSNGL KKKSLDHSAGLGGVLVGFILITANFSFFTSLLMFFLSSSKLTW KGEVKKRLDSEYKEGGQRNWWQVFCNGAVPTLALLYMIENGPG ETPVDFSKQYSASWMLCLSLAALACSAGDTWASEVGPVLSKSSP RLITTWKVPVGTNGGVTVVGLVSSLLGGTFVGLAYFLTQLIFV NDLDTISAPQWPIIAPGGLAGLLGSI VDSVLGATMQYTCLDESTG MVVNSPTNKARHIAGKPI LDNNAVNLFSVLIALLLPTAAWGF PRG
6246	1177	359	SLWPWILMDDSLMQISLQLLCVYTANFPNGCSSLCWSSCGQHPV QATHRGAVNSIMLCILKLASOMPLENTTVQQMVPMLLSNLALS HDCKGVIQKSNFLQNFSLALPKGGNKHLSNLTILMLKLLNIS SGBDGQOMILRLDGLCLDLITEMSKYTHKSSPLPLLIHNVCFPS PANKPKILANEKVITVLAACLESENQNAQRIGAAALWALTYNQ KAKTALKSPSVKRRVDEAYSLAKRTFPNSEANPLNAYYLKCLN LVQLLNSS
6247	3	1678	NSRVWGPWTEPSAGSLRPMARKQNRNSKELGLVPLTDDTSHAGP PGPRALLECDHLRSGVPGRRRKDWSCSLLVASLAGAFGSSFL YGYNLSVVNAPTPYIKAFYNESWERRHGRPIDPTLTLLWSVTV SIFAIGGLVGTILVIMIGKVLGRKHTLLANNGFAISAALLMACS LQAGAFEMLIVGRFIMGIDGGVALSVLPMYLSRISPKETRGSLG QVTAFICIGVFTGQLGLPELLGKRESTNPYLFGVIVVPAVQVL LSLPFLPDSPPRYLLEKHNEARAVKAFQTLGKAHVSQEVBEVL AESRVQRSIRLVSVLELLRAPYVRWQVTVVITMACYQLCGLNA IWFYTNISIFGKAGIPPAKIPYVTLSTGGIETLAAVFSGLVIEHL GRPELLIGGFGLMGLFFGTLTITLTDHAPWVFPYLSIVGILAY IASFCSPGPGIPIITLGEFFQOSQRPAAFIAGTVNWLNNFAVG LLFPFIQKSLDTYCFVPAITCITGAIYLYFVLPETKNRTYARI SQAFSKRNKAYPPEKIDS AVTDGKINGRP
6248	56	1773	VPPPRMMAAVPPGLEPWNRRVIRKAGNRSAVTQNPGAALDLCT AAVIKECHLVLSLKSQTLDAETDVLCAVLYSNENRMGRHKPHL ALKQVBQCLKRLKNMNLGSIQDLFELFSSNENQPLTTKVCVVP SQPVVRLVLMKVLGACKLLRLDCCCKTFLLTVKHLGLQEFII LNLVMVGLVSLWLVLYKGVLRLLLYEPLFCILLQEVARIQMP YKDFTFPSDITEPLGQPYFPAKKMPFAFAAKGINKLLNKL LINEQSPRASETLLGISKKAKQMKINQNVNDIGQPVKNKRVF

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			KESSSEFDVRAFCNQLKHKATQETSFDKCSQSRLKTTKYSSQK VIGTPHAKSFVQRFREAESFTQLSEBIQMAVWVCRSKLKAQAI FLGNKLLKSNRLKHLKLEAQTSLPKKLECIKTSICNHLRGSGIK TSKHHLRQRSSQNKFLRRQRKPKQKLOSTLLREIQQFSQGTGRKS ATDTSARWRLSHCTVHRTDLYPNSKQLLNSGVSMPIQTKKMI HENLRGIHENETDSWTVMQINKNSTSGTIKETDDIDDIPALMGV
6249	56	1773	VPPPRMMAAVPPGLEPWNVRVTPKAGNRSVTVQNFGAALDLCT AAVIKECHLVILSLKSQTLDAETDVLCAVLYSNNHNRMRHKLPHL ALKQVEQCLKRLKNMNEGSIQDLFELPSSNENQPLTTKVCVVP SQPVVELVLMKVLGACKLLRLDCCCTFLLTVKHLGLQEFII LNLVMVGLVSRLLVLYKGVLRLLILLYBPLFGLLQEVARIQPMF YFKDFTFPPSDITEFLGQPYFEAFKKMPFAFAAGINKLLNKL LINEQSPRASEETLLGISKKAKQMKINQNNVDLQGPVKNKRVF KESSSEFDVRAFCNQLKHKATQETSFDKCSQSRLKTTKYSSQK VIGTPHAKSFVQRFREAESFTQLSEBIQMAVWVCRSKLKAQAI FLGNKLLKSNRLKHLKLEAQTSLPKKLECIKTSICNHLRGSGIK TSKHHLRQRSSQNKFLRRQRKPKQKLOSTLLREIQQFSQGTGRKS ATDTSARWRLSHCTVHRTDLYPNSKQLLNSGVSMPIQTKKMI HENLRGIHENETDSWTVMQINKNSTSGTIKETDDIDDIPALMGV
6250	232	1306	LAALHIMALPFRKDLKYKOLDEDELGNLSETELKQLETVLDD LDPENALLPAGFRQKNQTSKSTTGPFDRHLLSYLEKEALEHND REDYVPTYTGKKGKIFIPKQKPVQTFTEKVSLEPELEALISA SDTELCDLAAILGMHNLITNTKFCNIMGSSNGVDQEHFSNVVKG EKILPVFDPPNPINVEESLRTKENDAHLEVENIENIENIPIPI TLKDFAKALETNTHVKCFSLAATRSNDPVATAFAEMLVNKTILK SLNVESNFTITGVGILALIDALRDNETLAEKIDNQRRQLGTAVE LEMAMLEBENTNLLKPGYQPTQQGPRTAANAITKNNDLVRRKR VEGDHQ
6251	62	972	TPGSGPMSAWAAASLSRAAARCLLARGPGVRAAPPDRPRPSHPE PRGCGAAPGRTLHFTAAVPAGHNKWSKVRHIKGPDKDVERSIFIS KLCLNIRLAVKEGGPNPEHNSNLANILEVCRSKHMPKSTIETAL KMEKSKDTYLLYEGRGPGGSSLLIEALSNSSHKQADIRHIILNK NGGVMAVGARHSFDRKGVIVVEVDREKKAVALNERALEMAIEAG AEDVKSTEDDEERNVFKPICDASSLHQVRKKLDSGLCSVSCAL EPIPNKSVQLAEPDLEQAHLIQALESNHEDVIHYVDNIE
6252	27	1897	EEFCTWIAVRVGEMETAPKPGKDVPPKKDKLQTKRKKPRRYWEE ETVPTTAGASPGPPRNKNRELRPQRPKNAYILKKSRIKSKPQV PKKPREWKNPESQRLSGAQDPPFGPAPVPVVEVQKFCRIDKSR KLPHSKAKTRSRLEVARAREEETSIIKAARSELLAEEPGFLEGE DGEDTAKICQADIVEAVDIASAAGHFDLNLRLQFGPYRLNYSRTG RHLAFGGRRGHVAALDWVTCKLMCEINVMEAVRDIRFLHSEALL AVAQNRNLHIYDNQGIELHCIRRCRDRVTRLEFLPFHPLLATASE TGFLTYLDVSVGKIIVAAALNARAGRLDVMQNPYNVAVIHLGHSNG TVSLNSPAMKKEPLAKILLCHRGGVRAVAVDSTGYMATSGLDHQL KIFDLRGTYQPLSTRTLPHGAGHLAPFSQRGLLVAGMGDVVNIWA GQKASPPSLEQPYLTHRLSGPVHGLQFCPFEDVLGVGHTGGIT SMLVPGAGEPNFDGLESNPYRSRKQREQWEVKALLEKVPARLIC LDPRALAEVDVISLEQGGKEQIERLGYDPAKAPFPQPKPKQKGR SSTASLVKRRKVMDEBHRDKVRQSLQQQHHKRAKAKPTGARPS ALDRFVR
6253	27	1897	EEFCTWIAVRVGEMETAPKPGKDVPPKKDKLQTKRKKPRRYWEE ETVPTTAGASPGPPRNKNRELRPQRPKNAYILKKSRIKSKPQV PKKPREWKNPESQRLSGAQDPPFGPAPVPVVEVQKFCRIDKSR KLPHSKAKTRSRLEVARAREEETSIIKAARSELLAEEPGFLEGE DGEDTAKICQADIVEAVDIASAAGHFDLNLRLQFGPYRLNYSRTG RHLAFGGRRGHVAALDWVTCKLMCEINVMEAVRDIRFLHSEALL

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			AVAQRNRLHIYDNQGIELHCIRRCDRVTRLEFLPFHPLATASE TGFLLTYLDVSVGKIIVAAALNARAGRLDVMSQNPYNAVILGHNSG TVSLWSPAMKEPLAKILCHRGGVRAVAVDSTGYMATSGLDHQL KIFDLRGTYQPLSTRTLPHGAGHLAFSGRGLLVAGMGDVVNIWA GQKASPPSLEQPYLTHRLSGPVHGLQFCPFEDVLGVGHTGGIT SMLVPGAGEPNFDGLESNPYRSRKQRQBEVKALLEKVPALIC LDPRLAEVDVISLEQGGKEQIERLGYPDQAKAFQPKPKQKGR SSTASLVKRKRKVMDBEHRDKVRQSLQQHHEAKAKPTGARPS ALDRFVR
6254	155	1139	HALGRHGGSGQELSAACGCFALRLRAPGSGRPALAPGAAAFAGL GGAPRFP PRGSAAGRTMLLKEYRICMPLTVDEYKIGOLYMISKH SHEQSDRGEGVEVVQNEPFPDPHNGNQPTKRVYLSKLPSWA RAVVPKIFYVTEKAWNYPYTITEYTCSEFLPKFSIHETKYEDN KGSNDTIFDNEAKDVEREVCFIDIADEIPERYKKESEDPKHFK SEKTGRGQLREGWRDSDHOPIMCSYKLVTVKFEVWGIAQTRVEQFV HKVVRDILLIGHRQAPAVVDEWYDMTMDVREYKEMHEQTNIK VCNQHSPPVDDIESHAQTST
6255	1	1444	PTRPQQLLVSLATVIFVASQKALSVEKAVIKQQLBSVSNWGT VYRIARQASRMGNHDMAKELYQSLLTQVASKHFFWLSNLSKEPS HAEQCLTGLQENYSSALSCLAESEKFPYHKGILASLTAASTPLNP LSFQCEFFVKLRIDLQAFSQLICNLSKTSPPPAIATTIAMTL GNDLQRCGRISNQMKQSMEEFRSLASRYGDLYQASFDADSATLR NVELQQOQSCILLISHAIEALILDPESASFQYEGSTGTAAHADSEYE RRMMSVYNHVLREVESENGKYTPVSYMHTACLCAIITALLKVPL SFQRYFFQKLQSTSIKLALSPSPRNPAEPIAVQNNQQLALKVEG VVQHGSKPGLFRKIQSVCLNVSTLQSKSGQDYKIPIDNMTNEM BQREVEPHNDYFSTQPLNPAIILGTHINITVESSVKDANGIVWKTG PRTTIFVKSLEDPYSQIRLQQQQAQQLPQQQQQQRNAYTRF
6256	1	1542	CRGAGAEPAANPRSPRSLVPSLESTSTSVPPAPGTMATDSWALA VDEQEAASLSNLHLKKEKIKPDTNGAVVKTANAEKTDDEEK EDRAAQSLNKLIRSNLVDNTNQVEVLQRPNSPLYSVKSPFEEL RLKPOLLLQGVYAMCFNRPFSKIQENALPLMLAEPQNLIAQSQSG TGKTAAFVLAMLSQVEPANKYPQCLCLSPYELALQTKGVIEQM GKFFYPELKLAYAVRGNKLERGQKISEQIVIGTPTVLDWCSKLL FIDPKKIKVFVLDEADVMIAATQGHQDQSIIRIQRLPRNCQMLLP SATFEDSVWVFAQKVVPDPNVIKLKREETLDTIKQYYVLCSSR DEKFOALCNLYGATTIAQAMIFCHTRKTASWLAELSKEGHQVA LLSGEMMVQRAAVIERPREGKEKVLVTNVLCARGIDVEQVSVV INFEDLPVDKDGNDPNETYLRIGRTGRFGKRGGLAVNMVDSKHSN NTLNRIQEHFNKKIERLDTDDLDEIEKIAN
6257	210	615	AFIPAMARLIQKKLQGEVEKYQQLQKDLKSMSGRQKLEAQLTE NNIVKEELALLDGSNVVFKLLGPVLVKQELGEARATVGKRLDYI TAEIKRYESQLRDLERQSEQQRETLAQLOQEFQRAQAAGAGAPG KA
6258	210	615	AFIPAMAELIQKKLQGEVEKYQQLQKDLKSMSGRQKLEAQLTE NNIVKEELALLDGSNVVFKLLGPVLVKQELGEARATVGKRLDYI TAEIKRYESQLRDLERQSEQQRETLAQLOQEFQRAQAAGAGAPG KA
6259	2	1540	ILEKGFPSQCHPERKWKVDVLESSQENEDHFWELLFHNKTV SVENGDRGSKTFNLGTDVSLRNYPYKICDSCMNLKNISGLII SKKNCNRKPKDEFNVCESKLLDIRHEKIPIGESYKYDQKRNAI NYHQDLSQSPFGQSFYSKNGQGFHDEAAFFTNRKSQIGETVCK YNECGRTFIESLKNISQRPHLEMBPYGCSICGKSFCMNLRFHG QRALTNDNPEYNEYGEIFCDNSAFIIHQGAYTRKILREYKVS KTWKESALLKHQIVHMGGSYDYNENGSNFSKKSHTQLRRAHT GEKTFECGECGKTFWEKSNLTQHQRTHTGKPYECTECGKAFQ

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			KPHLTNHQRTHTGKPYECKQCGKTPCVKSNLTEHQRTHTGKPYECNACGKSFCHRSALTVHQRTHTGKPPICNECGKSFVCVKSNIIVHQRTHTGKPYKCNCGKTFCEKSALTHQRTHTGKPYECNACGKTFQSRSVLTQHRIHTRVKALSTS
6260	2081	1436	GTGPEIHACAHASARAPGSRAMALRELKVCLLGDTGVGKSSIWRFVDSDFPNINPTIGASPMTKTVQYQNELHKKFLIWDTAGQERF RALAPMYRGSAAAIIVYDITKKEFTSTLKNWVKELRQHGGPPNI VVAIAGNKCOLDIVREVMDARDYADSIHAI FVETSAKVAINI NRLFIEISRRIPSTDANLPSGGKGFKLRRQSPSEPKRSCC
6261	3	1188	FWYRLPGTRSRWRPRGSAALVPRGSPFALVTSPCPDPLRSPACEPCRPDFAPRPALLLRSGPRSAVATGKPAKLGQPGWPWGMAEVSIDQSKLPGVKEVCRDFAVLEDHTLAHSLQEQEIEHHLAS NVQNRNLVQHDLDQAKQLQEEEDLKAQALQKRYKDLQOQDCIQA QSIQEKLAIEAERRRIQEKKDEDIARLLQEKELQEEKKKKKHFP EFPATRAYADSYYYEDGGMKPRVMKEAVSTPSRMAHRDQEWYDA EIAKQLQERELLATQVDMRAAQVAQDEEIARLMAEEKKAYKKA KEREKSSLDKRRQDPWKPKTAKAANSKSKESDEPHHSKNERPARPPPIIMTDGEGDADYTHPTNQSSSTRHFSKSESSESHKGFHYKH
6262	2	1759	PECHSQGLCSVHRPGKVPQARMSSGLVLGQDEPAGHRLSQEKIL GSTRLVSGGLEALRSEHQAVLQSI.SQTIECLQGGHSEGLVHEK ARQLRRSMNIEHGLSEAQVMLALASHLSTVESEKQKLRQVRR LCQENQWLRDELQGTQQLRQSEBQVAQLEEEKHLEFLGQLRQ YDEDGHTSBEKEGDATKDSLDLFPNEEBEDPSNGLSRGQGATA AQQGGYEIPARLRLTHNLVVIQYAAQGRYEVAVPLCKQALDLEL TSGRGHDPVATMLNLALVYRDQNKYKAAHLNDALSTRESTL GPDHPAVAATLNNLAVLYGKRGKYKAEPLCQRALEIREKVLGT NHPDVAKQLNNLALLCQNGKYEAVERYQALAIYEGQLGPDN PNVARTKNNLASCYLKQKGYABAETLYKEILTRAHVQEFSGVDD DHKPIWMHAERREEMSKSRHHEGCTPYARYGGWYKACKVSSPTV NTLRLNLGALYRRQGLKAAETLEECALRSRRQGTDPISQTKVA ELLGSDGRRTSQEGPGDSVKFEGGEDASVAVENSGDGSOTLQR SGLSKIRDVLRR
6263	1	2408	RELDLSLADLPERIKPPYANGLSTSHLRSSSVHDVKLIISEGRPT IEVRRCEMPSVICEHTKQFOTISBESNQGSLLTVPGDTSFSPKP EVFSNVPERDLSNVSNHSSFATSPGTASNSKYVSADRNLIKNT APVNTVMDSVPVHLEPSSQVGVIONKSWEMPVDRLETLSTRDFIC PNSNIPDQESSLQSFCSNSENKVLKENADFLSLRQTELPGNSCAQ DPASFMPFPQPCSFPSQSLSDAESISKHMSLSYVANQEPGILQQ KNAVQI ISSALDTDNESSTKDTENTFVLGDVQKTDAPVPVYSDST IQEASPNFBEKAYTLPLVPSEKDFNGSDASTQLNTHYAFSKLTYK SSSGHEVENSTTDQVISHEKENKLESVLTHLSRCDSDLCBMN AGMPKGNLNBQDPKHCPESEKCLLSIEDESQQSILSSLENHSQ QSTQPEMHKYGLVKVELKENAEDDKTENQIPQRMTRNKANTMA NQSEKILASCTLLSEKDSSESSSPRGRIRLTEDDDPQIHHPRKRK VSRVPQPVQVSPSILQAKEKTQQSIAAIVDSLKLDEIQPYSSER ANPYPEYLHIRKKIEEKRLKLCVPIQAPQYDEYVTFNGSYLL DGNPLSKICIPTITPPPSLSDPLKELFRQGEVVRMKLRQHSIE REKLIVSNEQEVLRVHYAARTLANQTLFPFSACTVLLDAEVYN PLDSQSDSDSKTSVRDRFNARQFMSWLQDVDDKFDKLTCLLMRQ QHEAAALNAVQRLQWQLKLQELDPATYKISISYKIQEPYVPLVD VNDDFELTPI
6264	143	1960	KHQENNALDMAPEIHTGPMCLIENTNGELVANPEALKILSAI TQPVVVVAIVGLYRTGKSYLMNKLAKGKNGFSLGSTVKSHTRG IWMNCVPHPKPEHTLVLLDTEGLGDVKKGDNDQNSWIPTLAVIL SSTLVYNSMGTINQAMQDLYYVTELTHIRSKSSPDENENRDS ADFVSFFPDPFVMTLRDFSLDEADGQPLTPDEYLEYSLKLTQGT

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			SQKDRNENLPRLCIRKFFPKKKCFVFDLPPIHRRKLAQLEKLQDE ELDPEFVQVADFCSYIFSNSTKTLGGIKVNGPRLESVLTY INAIISRGDLPCMENAVLALAQIENSAAVQKALAHYDQMGQKVQ LPAETLQELDLHRVSEEREATEVYMKNSEFKDNDHLPQKKLAAQL DKKRDDFCQNQREASSDRCSALLQVIFSPLEEEVKAGIYSKPGG YCLFIQKLQDLKKYYEPRKGIQAEELQTYLKSKEVTDAIL QTDQILTEKEKEIEVECVKASQAASAKMVEEMQIKYQMMEEK EKSQYQEHVKQLTEKMERERAAQLLEEQEKTLSKLQEQARVLKER CQGESTQLQNEIQKLQKTLKKKTKRYMSHKLEI
6265	143	1960	KHRQENNALDPAETIHMTGPMCLIENTNGELVANPEALKILSAI TQPVVVAIVGLYRTGKSYLMNKLAKNGPSLGSSTVKSHTKGI WMWCVHPKKPEHTLVLDTEGLGDVKKGDNDQNSWIFTLAVLL SSTLVYNSMGTINQAMDQLYYVTELTHRIKSKSPDENENEDS ADFVSFFPDPVWTLRDFSLDLEADGQPLTPDEYLEYSKLKLTQGT SQKDRNENLPRLCIRKFFPKKKCFVFDLPPIHRRKLAQLEKLQDE ELDPEFVQVADFCSYIFSNSTKTLGGIKVNGPRLESVLTY INAIISRGDLPCMENAVLALAQIENSAAVQKALAHYDQMGQKVQ LPAETLQELDLHRVSEEREATEVYMKNSEFKDNDHLPQKKLAAQL DKKRDDFCQNQREASSDRCSALLQVIFSPLEEEVKAGIYSKPGG YCLFIQKLQDLKKYYEPRKGIQAEELQTYLKSKEVTDAIL QTDQILTEKEKEIEVECVKASQAASAKMVEEMQIKYQMMEEK EKSQYQEHVKQLTEKMERERAAQLLEEQEKTLSKLQEQARVLKER CQGESTQLQNEIQKLQKTLKKKTKRYMSHKLEI
6266	276	1421	GSHQKQMLVPCFLYSLQNRKPSLYGSLTCQIGLDGIEVTASE GPTVNEINKKSIHISCPKENASSKFLAPYTTFSRIHTKSIICLD ISSRGGLGVSSSTDGTWKIWOANGELRRVLEGHVFDVNCRRFF PSGLVVLSSGMDAQLKIWSAEDASCVVTFKGRKGGILDTAIVDR GRNVVSASRDGTARLWDCCRSACLGVLDACGSSINGVAVGAADN SINLGSPBQMPSEREVGTEAKMILLAREDKKLQCLGLQSRQLVF LFIGSDAFNCTTFLSGFLLLAGTQDQNIYQLDVRSPRAPVQVIH RSGAPVLSLLSVRDGFLASQGDGSCFTVQDLDYVTELTGADCD PVYKVATWEKQIYTCRDGLVRRYQLSDL
6267	3	622	LGMMKKNNSAKRGPQDGNQPPAPEKVGWVKFCCKGIFRRIWK NRYVVLKGDQLYISEKEVKDEKNIQEVFDLSDYKCEBLRKS RSKKNHSTFTLAHSKQPGNTAPNLIPLAVSPKEKESWINALNSA ITRAKNRILDEVIVEEDSYLAHPTDRAKIQHSRRPPTRGHMA VASTSTSDGMLTLDLIQEEDFSPKEPTSLC
6268	160	1368	HRELQNLPAFLSSALIDNPLTLLSIDTYVMLQEPVTFQDVAV DFSREEWGLGPTORTEYRDVMLETFCHLVSVGWETTLNKELA PNSDIPPEEPAPSLKVQESSRDICALSTLEDTLQGGVQEVQDITV LKQMSAQEKDLQPKKHFDNRESQANSALDNTQVSLQKIDNPE SQANSALDNTQVLLHKIPPRKRLRKRDSQVKSMMHNSRVKIHQ KSCERQKAKEGNGCRKTFPSRSTKQITFIRIHKGSQVCRCECGK IFRNPRYFSVHKIHTGERPYVCQDCGKGFVQSSSLTQHQRVHS GERPPFCQECGRTFNDRSAISQHLRTHTGAKPYKQDCGKAFRQ SSHILIRHQRTHTGERPYACNCKGKAPTQSSHLIGHQRTHNRTKR KKKQPTS
6269	2886	1449	HASAPTRRNMAASPLRDCHAWKDARLEPLSTTSNEACKLFDATL TQYVKWINDKSLGGIRGCLSKLKAADPTFVMGHAMATGLVLIGT GSSVKLDKRLDLAVKIMVEISRTQPLTRREQLHVSAVETFANGN FPKACELWEQILQDHPDMLALKFSDHAYFLGYQEQRDSVAR IYPPWTPDIPLSYVKGISYFGLMETNFYDQAEKLAKRALSINP TDANSVHTVAHIHEMKAEIKDGLFEMQHSSETLWKDSMLACHNY WHWALYLIEKGEYEAALTIDYTHILPSLQANDAMLDVVDSCSML YRLQMEGVSVGQRWQDVLVARKHSRDIHLLFNDAHFIMASLGA HDPQTTOBELLTLRDASESPGNCQHLLARDVGLPLCQALVEAE

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			DGNPDRVLELLLPYRIVQLGGSNAQDVFNQLLIHAALNCTS SVHKNVARSLLMERDALKPNSPLTERLIRKAATVHLMQ
6270	23	2086	SVTVTLGSEDCRPPTVHLEMEQEPQNGEPAETIKITREAYKKA FLFVNKGLNTDELQCKEERKNYYKQGHLLRGISISSKSEHT GPCWESARQMOKMKETLQNVTRLEILEKGLATSLQNDLQEVF KLYPEFPKDMCEKLEPPQSFSSAPQHAENVNGNTSTPSAGAVAA PASLSLPSQSCPAEAPPAYTPQAEGHYTVSYGTDSEGFSSVGE EFRYRHSQPPPLRLTGLDADELILIPNGVQIFPVNDAGEVSAPS YPGYLRIVRFLDNLSDTVLNRPPGFLQVCDWLYPLVPDRSPVLK CTAGAYMFPDTMLQAAGCFVGVLSSELPEDDRELFDLLRQMS DLRIQANWNRAREENEFQIPGRTRPSSDQLKEASGTDVVKQLDQG NKDVRHKGKRGKRAKDTSSSEVNLSHIVPCBPVPEEKPKELPEW SEKVAHNILSGASWVSWGLVKGAEITGKAIQKGASKLRERTQPE EKPVEVSPAVTKGLYIAKQATGGAAKVSQFLVDGVCTVANCVGK ELAPHVKKHGSKLVPESLKDKDKGKSLDGAMVVAASSVQGFST VWQGLECAAKCTVNNVSAETVQTVRYKYGYNAGEATHHAVD SAV NVGVTAYNINNIGIKAMVKKATATQYTGHTLLEDYQIVDNSQRENQ BGAANVNRGEKDEQTEKVKRAKKDK
6271	32	1058	GCGVKTAGMVGREKELSIHFVPGSCRLVEEVNIPNRRLVTGA TGLLGRAVHKBFQNNWHAVGCGFRARPKFEQVNLDSNAVHH I IHDQFPHVIVHCAAERRPDVVENQPDAAQQLNVDASGNLAKEA AAVGAFLIYISSDYVDGTNPPEYREEDIPAPLNLGKTKLDGKK AVLENNLGAAVLRIPILYGEVEKLEESAVTVMFDKVQFSNKSAN MDHWQORFPTHVKDVATVCRQLAEKRMIDPSIKGTFHWSGNEQM TKYEMACAIADAFNLPSSHLRPITDSPVLGAQRPRNAQLDCSKL ETLIGIGQRTPFRTIGIKESLWFFLIDKRWRTVFI
6272	1136	528	GAYMEDAAAPGRTEGVLERQGAFFAAGQGGALVELTPTPGGLAL VSPYHTRAGDPLDLVALAEQVQKADEFIRANATNKLTVIAEQI QHLQEQARKVLEDAHRDANLHHVACNIVKKPGNIYLYKRESGQ QYPSIISPKEWGTSCPHDFLAGYKLDHLSWTPYEDIERQDAKI SMDTLLSQSVALPPCTEPPNFQGLTH
6273	256	843	SCPRVSECRSLGQVMEFLPNCSPDHIRRGSCWGRFPQDLKIA SAAWNSKCHPGAGAAARQHARTLWYDRPRYVFMFPCVEDSTDV HVLIEDHRIVPSCKNADGVELYNEIEFYAKVNSKDSQDKRSSRS ITCFVRKWKKEVANPRLTKEDIKPVWLSVDFDNRDNEGBEME LAHVHYAEVRDNTYCVLPT
6274	56	1142	AAAAAAGGGGAGAAARSLSRFRGCLAGALLGDCVGSFYEAHDT VDLTSLRVHQSLPEDPGTPGSETEALYTTDTAMARALVQSL LAKEAFDEVDMAHRFAQYKDKDPDRGYGAGVTVFKKLINPKCR DVFEPARAQFNGKSGSYNGGAMRVAGISLAYSSVDVQKFARLS AQLTHASSLGYNGAILQALAVHLALQGESSSKHFLKQLLGHMED LEGDAQSVLDARELGMEERPYSRLKKIGELLDQASVTRBEVVS ELGNGIAAFESVPTAIYCFLRCMEPDPIPSAFNSLQRTLIYSI SLGGDTDTIATMAGALAGAYYGMQVPSWQSCGEYESTDILA QSLHVFQKS
6275	20	565	SRRGARCLARGSRPVRPAKTMFNVKTVVGGQLKNLTGSLG GGEDKGDGDKSAAEAQMSREEYEYQKQLVEEKMERDAQFTQR KAERATLRSHFRDKYRLPKNETDESQIQMAGGDELPRELAKMI EEDTBEEERKASVLGQLASLPGLNLGSLKDKAQATLGDLKQSAE KCHVM
6276	797	97	TLLEPLPLPOTEGMILLNTGLEGTVAENPVPIVHTPSGNITLLE SCLQQLATHPGHWGHIQLQIAEPALRPSLALLARLSLGLLHWP VWVGAKISHGSFSPVPGHVAGRELLTAVAEVFPHTVAPGWPREV LGSGYREQLLTDMLELQGLWQPVSPQMAMLLGHSTAGAIGRL IASSPRATVTVHEHPAGGDYASVRTALLAARAVDTRVYRLPQ GYHKDLLAHVGRN

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6277	4600	2744	MAFRTEMGLYYSYFKTIVEAPSFNLGVMMIMNDKLTIEYPLVINT LKRPNLYPEVILASWYRIYTKIMDLIGIQTKICWTVTIGEGLS TESCEGLDPAFCFYVAVIFILNGLMMALFFIYGTLYSGSLGG VTVLCPFENHGECTRMWTPPLRESFSYDFLVLMQLLVTHILRA TKLYRGSLLALCISNVFFMLPWQPAQFVLLTQIASLFAVYVVG IDICKLRKIYIHMSIALCFVLMFGNSMLTSTYASSLVIIWG ILAMKPHFLKINVSSELGLWVIQGCFLPFTVILKYLTSKIPGIA NDAHIGNLLTSKFPSTYKDFDTLLTYCAAEFDPMKSTPLRYTKT LLLPVVLVGFVAIVRKIISDMNGVLAQQTTHVRKHQPDHGLVY HALQLLAYTALGILIMRLKLZLTPHMCVMASLICSRLPGWLF KVHPGAIVFAILAAISQGSANLQTQNTVGEFSNLQERLIEW IKYSTKPDVAFAGAMPTMASVKLSALRPVNHPHYEDAGLRART KIVYSMYSRKAAREVKRELIKLKVNYYILBESWCVRRSKPGCSM PRIWDVBDPANAGKTPLCNLLVKDSKPHFTTVFQNSVYKVLV KR
6278	3	823	ILFRLVLLSLVYLLNSVATEERKPAEVLIVEGQQYAVVGTVLLL IRILEYCGQVDNIPSVTTMLRLSDLLKYFNSRSQQLVLGAG ALQVVGKLTITTKNLALSSRCQLIVHYIPVIRAHFEARLPKQ YSMLRHFDHITKDYHDHARISAKLVAIMDSLPDKLLSKYEVKA PVPSACFRNICKQMTKMEHAIQDLPEEQTQMLFLRINASYKLI LKKQLSHLVINDGGPQNGLVTAQVFTGNLQALGKGLDLDIN MARINEQXR
6279	127	1687	GGAMASDGARKQFWKRSNSKLPFSIQHYVGAQHPPFDPLHGT LRSTAKMPTTPVKAARVSTPQEFESNTSDANDAGEDDDELLAMA AESLNSVVMETANRVLNRHSQRQGRPTLQEGPGLQKPRPEAE PPSPFSGDLRLVKSVSESHTSCPARSASDAAPLQSRQSLPHSAT VTLGSTSDPSTLSSALSREASRLDKFKQLLAGPNTDLEELRR LSWSGIPKPVPRMTWKLSSGYLPANVDRRPPATLQKQKEYFAPI EHYYSRNDVHQDTYRQIHIDIPRMSPEALILQPKVTEIFER LEIWAIRHPASGVYQINDLVTPFPVVPICEYLEAEVDVTVDS GVPAEVLNTEADTYWCMKLLDGIQDNYTFAQPGIQMKVKMLE BLVSRIDEQVHRHLDQHEVRYLQFAFRWMNLLMREVPRLCTIR LWDTYQSEPDGFSHFHYVCAAFVLRWRKRLLEKDPQELLLFL QNLPTAHWDEIDISLLAEAYRLKFAFADAPNHYYK
6280	857	2515	ECCDQKMGSRNSSAGSGSGDPSEGLPRRGAGLRSEEEEDDE DVDLAQVLAYLLRRGQVRLVQCGGAANLQFIQALLDSEENDRA WDGRLGDRYNPPVDATPDTRLEFNEIKTQVELATGQLGLRRAA QKHSFPRMLHQRERGLCHRGFSFLGEQSRVISHFLPNLDGFTDS YSQKAPCGIYSKDGQIFMSACQDQITRLYDCRYGRFRKFKSIKA RDVGWSVLDVAFTPDGNHFLYSSWSYIHCNIYEGDTHALT LRPDERRFAVFSIAVSSDGREVLGGANDGCLYVFDREQNRRTLQ IESHEDDVNAVAFADISSQILFSGGDDAICKVWDRRTMRDDPK PVGALAGHQDGIITFIDSKGDARYLISNSKDQTIKLWDIRRFSSR EGMEASRQAATQONWYRWQVPPKAWRKLKLPDSSIMTYRGH GVLHITLIRCFSPHSTGQQTYSGCSTGKVVVYDLSGHIKVK LTHHKACVRDVSWHFPFEKIVSSSWDGNLRLWQYRQAEYFQDDM PESEECASAPAPVQSSSTPFSSPQ
6281	857	2515	ECCDQKMGSRNSSAGSGSGDPSEGLPRRGAGLRSEEEEDDE DVDLAQVLAYLLRRGQVRLVQCGGAANLQFIQALLDSEENDRA WDGRLGDRYNPPVDATPDTRLEFNEIKTQVELATGQLGLRRAA QKHSFPRMLHQRERGLCHRGFSFLGEQSRVISHFLPNLDGFTDS YSQKAPCGIYSKDGQIFMSACQDQITRLYDCRYGRFRKFKSIKA RDVGWSVLDVAFTPDGNHFLYSSWSYIHCNIYEGDTHALT LRPDERRFAVFSIAVSSDGREVLGGANDGCLYVFDREQNRRTLQ IESHEDDVNAVAFADISSQILFSGGDDAICKVWDRRTMRDDPK PVGALAGHQDGIITFIDSKGDARYLISNSKDQTIKLWDIRRFSSR

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			EGMEASRQAATQONWDYRWQQVPPKAWRKLKLPDSSSLMTYRGH GVLHTLIRCRFSPIHSTGQQFIYSGCSTGKVVVYDLLSGHIVKK LTNHCACVRDVSHPPEKKIVSSSWDGNLRLWQYRQAEYFQDDM PESEECASAPAPVQSSSTPFSSSQ
6282	125	906	RMAACRALKAVLVDLSGTLHIEDAAVPGAQKALKRLRGASVITR FVTNNTTKESKQDLERLRKLBFDISEDEIFTSLTAARSLLERKQ VRPMLLVDDRALPDFKGIQTSDPNAVVMGLAPEHFHYQLNQAF RLLLDGAFLIAIHKARYYKRKDGALGPGPPVTALEYATDTKAT VVGKPEKTFLEALRGTCRPERAVMIGDDCRDDVGGAGQDVGM GILVKTKGYRASDEEKINPPPYLTCEFPFAVDHILQHL
6283	140	1043	LSLPGIHVMNPFWSMSTSSVRKRSEGEKTLTGDVKTSPRPTAP KKQLPSIPKNALPITKPTSPAPAAQSTNGTHASYGFFYLEYSL ABPTLVVKQLPGVYVQPSYRSALMWFVIFIRHGLYQDGVFKF TVYIPDNYPDGDCPRLPDIPVHPLVDPTSGELDVKRAFAKWR RNHNHIIQVLMYARRVYKIDTASPLNPAAVLYEKDIQLFKSK VVDVSVKCTARLFDQPKIRDYATISFSPWNPSVHDEAREKMLTQ KKKPEEQHNKSVHAGLSWVKPGSVQPPFSKEEKTIVAT
6284	1	2879	RSVIPGSTISSRNPGLSRPRFMAHEWDFQREELIGQISDIRV QNLQVERENVQKRTFTRWNLHLKCNPPLEVKDLFVDIODGKI LMALLEVLSGRNLHLEYKSSSHRIFRLNNAKALKFLEDSNVKL VSIIDAEALADGNPSLVGLIWNILFFQIKELTGNLSRNSPSS LAPGSGGTDSDSSFPPTTAERSVAISVKDQKAKALLAWVQR KTRKYGVAVQDFAGSWRSGIAFLAVIKADPSLVDMKQALENST RENLEKAPSTIAQDALHIFRLLPEPDI MVDTDEQSIMTYVAQFL ERFPELRAEDIFDSDKEVP IESTFVRIKETPSBQESKVFVLTEN CERTYTVNHETSHPPSPKVFVCDKPESMKEPRLDGVSSHLSDS STEFMHQIIDQVLGGPGKTSIDISEPSPSSILSRKENGSRNS LPIKKTVHFEADTYKDPFCSKNLSLCFEGSPRVAKESLRQDGHV LAVEVAEEKEQKQESSKIPSSSSDKVAGDIFLVEGTNNNSQSS CNGALESTAREDESHSLSPPGKNTVMADSFQIKVNLMTVRALE EGDYFEALPLKASKFNSDLIDFASTSQAFNKVPSPHETKPDDEA KAFENHARKLCYRSIKSAHKKKDSPEQVKMDKHEPHQDSGREA EGCPSAPEETPVDKKPEVHEKAKRKSTRPHYREGEEDDLQGVG EELSSSPSSSCVSLLETLSHSEEGLDPKSPPLSKVSVIPHDLF YPHYEVPLAAVLEAYVEDPEDLKNEEMDLSEPEGYMPDLSRE ERADGSSQSSSSSVPGESLPSASDQVLYLSRGGVGTTPASBPAP LAPHEDHQRETENDPMDSHQSQESPNLENIANPLEENVTKES ISSKKKEKRKHVDHVESLFFVAPGSVQSSDDLEEDSSDYSIPSR TSHSDSSIYLRHRTHRSSSDHFLCSVEERSRSG
6285	2157	1331	SKTENLLEMMWFQGLSFLPSALVTWTSAAFIPIFYITAVTLHH IDPALYISDTGTVAPEKCLFGAMLNIAAVLCIATYVRYKQVH ALSPEENVITKLNKAGLVGLILSCLGLSIVANPQKTTLFAHVS GAVLTFGMGSYMFVQITLSYQMPKIHGKQVFWIRLLLVITWCG VSALSMITCSSLHSGNFGTDLEQKLEHNPEDKGYVLHMITTAA EWSMSFSFFGFLLTYIRDFOKISLRVBANLHGLTLYDTAPCPIN NERTRLLSRDI
6286	1619	276	KAGASCCGSANFYVSVGKSCVLLMAAQLQTRFYTDNKKYAVDDV PFSIPAASEIADLSNIINKLLKDRNEFKHVEFDPLIKGQFLRM PLDKHMEMENISSHEVVEIEYVVKYTAPOPEQCMFHDDWISSIK GAEWILTGSYDKTSRINSLEBKSIMTIVGHTDVVKDVAWVKKD SLSCLLLSASMDQTILLWENNVRNKVKALHCCRGHAGSVDSIA VDGSGTKFCGSGWDMKLKIWSTVPTDEDEMEESTNRPRKKQKT EQLGLTTPITVTLSGHNEAVSSVLNSDABEICSASWDHTIRVWD VESGSLKSTLTGNKVFNCISYSPCKRLASGSTDRHRLWDPRT KDGLSVLSLTSHTGWVTSVKWSPTHEQQLISGSLDNIVKLWDT RSCKAPLYDLAAHEDKVLVDWTDTGLLSGGADNKLYSYRYSP

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6287	278	1482	TTSHVGA MQFFNFQIGLRSTSGKEKYSQDAGFLGDALQLFLQCLALDEDF APAKLQVQKILCDLLPENLKEGLKSSWSLPTQNRFPDFHS VMBESQSLNEPSPKQSEIPEVTSEPVKGSINRAQSAQINSTE MPAREDCILKRVSSFPVLSVQKGVLLKRLSLLEQDVI VNE DGR NKLKKQGETPNEVCMFSLAYGDIPEELIDVSDFECSLCMLFFFE PVTTPCGHSFCKNCLERCLDHAPYCPLCKESLKBYLADRRYCVT QLLEELIVKYLPELSEBKKIYDEBTAELSHLTKNVPIFVCTMA YPTVPCPLHVFEPVRLMIRRSIQGTGKQFGMCVSDTONSFADY GCMLQIRNVHFLPDGRSVVDVTGGKRRFVLKRCMKDGYCTADIE YLEDV
6288	1	743	VTLYPCRGLVGNLLLGASGMASGCKIGPSILNSDLANLGAELR MLDSGADYLHLVDMDGHFVPNTITFGHPVVESLRKQLGQDPFFDM HMMVSKPEQWVKPMVAVAGANQYTFHLEATENPGALIKDIRNGM KVGLAIKPGTSVEYLAPWANQIDMALVMTVBPFGGQKQFMEDMM PKVHNLRTQPPSLDIEVDGGVGPDTVHKCAEAGANMIVSGSAM RSEDPRSVINLLRNVCSEAAQKRSDDR
6289	1	743	VTLYPCRGLVGNLLLGASGMASGCKIGPSILNSDLANLGAELR MLDSGADYLHLVDMDGHFVPNTITFGHPVVESLRKQLGQDPFFDM HMMVSKPEQWVKPMVAVAGANQYTFHLEATENPGALIKDIRNGM KVGLAIKPGTSVEYLAPWANQIDMALVMTVBPFGGQKQFMEDMM PKVHNLRTQPPSLDIEVDGGVGPDTVHKCAEAGANMIVSGSAM RSEDPRSVINLLRNVCSEAAQKRSDDR
6290	3	1856	TIGRWLLGVYETVAPTLACLPRPRLRRRRRRRRRMRISRYTRKA VPQSLLELKGITKHALNHPPPEKLEBISPTSDSHEKDTSSQSKS DITRESSPTSADTGNLSAAPPSTYTGAGISTEGSSDFSWGYGELD QNATEKQVQIMPTAIDELLYEQKLSVHTKSLQEECQWTSFPHL RILGRQIITPSEGYRLYPRSPSAVSASYETTLSEQRDSTIPGIR GKLLHFSSSYAHKASSIAKSSSFCSMERDEEDSIIVSEGIIEBY LAPDHIIDIEBGFHGGKSRATEKQKLGYPPIAPFYCMKEDVLAY VFDSVWCKVVSCEQLTRSHWEGFASDDESNVAVTRPDSSESCV LSELHPLVLPVPOSKVLYITENPMSLQASRHQPNNVNDLLVHG MPLQPRNLSLMDKLLDLDDKLLMRPGSSTILSTRNWFNRAVEFS TSSLSYTVQSTRRRNPPPTLHPISTSHSCAETPRSVETILRGA RVFVAPDSLSSPSPPTPLSRNLLPPIGTAEVHVSTVGPQRQMK PHGDSRAQSAVVDEPNYQQPQERLLLPDFFPRPNTTQSFLLOT QYRRSCAVEYPHQARPGRGSAGPQLHGSKSQSGGRPVSRTRQG P
6291	1732	602	LVAKMASSASARTPAGKRVINQEEELRLMKERQLSTSRKRIES PFAKYNRLGQLSCALCNTPVKSELLWQTHVLGKHREKVAELKG AKEASQSSASSAPQSVKRPADADDQVKRAKATLVQVQVQST SAWTTNFDKIGKEPIRATPSKPSGLSLLPDYDEDEEEEEEKGGD GERKRGDASKPLSDAQGKEHSVSSSEVTSSVLPNDFFSTNPPK APTIPHSGSIEKAEIHEKVVERRENTAEALPEGFFDDPEVDARV RKVDAPKQDMKEWDEPQKAMRQVNTISEAIVABEDEEGRDRQ IGEIDEQIECYRRVEKILRNQDEIRNKLKEILTIKELQKKREEN ADSDDGBGLQDLSQDWRVKGALL
6292	1835	1142	TCPGAMKVPAPWTRFYNSNCCLCCHVRTGTILLGVWYLIINAVV LLILLSALADPDQYNFSSSELGGDFEFMDANMCIAIAISLMI LICAMATYGAYKQRAAWIIPFFCYQIFDFALNMLVAITVLIYPN SIQEIIRQLPPNFPYRDDVMSVNPTCLVILLFISILITFKGY LISCVWNCYRYINGRNSDVLVYVTSNDITVLLPPYDDATVNGA AKEPPPPYVSA
6293	2382	1035	PWCTLGTVDVHPIGWCAINSKILVPPRTIHAFTDWKGYLMKRL VGSRTLVPDFHIKMWESMKYPFRQGMRLVVDKSOVSRTMAVV DTVIGGRLLLYEDGSDDDFWCHMNSPLIHPVGWSRRVGHGK

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			MSERRSDMAHPTFRKLYCDVAVPLFKKVRVAVTEGGWFREGMK LEAIDPLNLGNICVATVCKVLLDGYLMICVDGGPSTDGLDWFCY HASSHAIFATPCQKNDIETPPKGYEAQTFNWNENYLRKTKSKA APSRLEFNMDCPNHGFKVGMKLEAVDLMEPRLICVATVKRVVHRL LSIHFDGWDSYDQWVDCSPDIYPVGWCELTYQLQPPVAAEP ATPLKAKEATKKKKKQFGKKRRIPTKTPLRQSSKKPLLRDD PQGARKISSEPVFGEIIAVRVKBEHLDVASPDKASSPELPVSVE NIKQETDD
6294	354	1814	AQLTTRGRTVAGGVWIPSPFPDLLEYSCCLGTRGFPPELSHHC KNVIATASDYDMAEITNIRPSFDVSPVAVGLIGASVLVVCVSVT VFVWSCCHQQAEEKKHKNPPYKFIHMLKGISIYPETLSNKKKIK VRRDKDGPREGGRRNLLVDAAEAGLLSRDKDPRGPPSSGSCIDQ LPKMDYGEELRSPITSLTPGESKTTSPSSPEEDVMLGSLTFSV DYNFPKKALVVTIQEAHGLFVMDQQTQGSDDPYIKMTILPDKRHR VKTRVLRKTLDPVFDFTFYGYIPYSQLQDLVLHFLVLSFDRFS RDDVIGEVMPVLAGVDPSTGKVQLTRDIKRNIOKICISRGELQV SLSYQFVAQRMVTVVKARHLQKMDIAGLSGNPYVKVNVYYGRK RIAKKKTHTVKKCTLNPIFNESFYDIPDILLPDISIEFLVIDFD RTTKNEVVGRLLILGAHVSATASGAHWREVCESPRKPKVAKWHSLS BY
6295	2795	617	VSSALLTGATSGSDAAKSEGAASPLSCTNAVAMDRPDEGPPAK TRRLSSSESQRPDP PPPPPFPPLRLPLPPPPQRPRLQRETEAA QVLADMKGVLGFPALPPPPYVILEEGGIRAYFTLGAECPGWDS TIESGYGRAPPPTESLEALPTPRASGGSLEIDPQVQSSSPGGE GALETCSAVGWAPQRLVDPKSKEAIIIVEDEDEDRSMRBSR RRRRRRRRKQKRVKRESRERNAERMESILQALEDIQLDLEAVNI KAGKAFRLKRRKFIQMRPFLERRDLIIQHIFGFWKAFNLNHR ISILINRRDEDI FRYLTNLQVQDLRHISMGYKMKLYFOTNYPFT NMVIVKEFQNRSGRLVSHSTPIRWIRGQEPQARRHGNQDASHS FFSWFNSHSLPADRLAEIKNDLWVNPLRYLLRERSRIKRRK QEMKKRKTGRCEVVMEDADPYAYVEDIFSEISDIDETIHDIK ISDFMETTDYFTTDNEITDINENICDSBNPDHNEVPMNETDN NESADDHETTDNNEASADDNNENPEDMNKNTDNEENPNNNENTY GNNEFFKGFPGWCEGNNQDSDSNDEADEASDDDEDNDEGDNES SDDGNEGDNESDDDDRDIEYYEKVIEDFDKQADYEDVIEII SDESVBEGIEBGIQQDEDIYEEGNYEEGESDVEEGEDSDDS DLEDVLQVPNGWANPGRKGTG
6296	727	1199	RHCGCDAQGACDSLPTCTSSPVTARNATPRARCCVWLLDGTTV EAVRPARERLARKELRQKRMQFSDRSAYSSNKDSTCLLTERDT LGTSLOFPSPFGTISFGSPSDSGIFPLGSCQCIGFQQPSISGK KWALIKRVRLSVFGARWGRIFYGK
6297	1	922	QRAAAASPSSCGPRGAEYGALEMEGYWRFLALLGSALLVGFIS VIFALVWVLHYRBLGWDGSALEPNWHPVLMVTGPFVFIQGIAT VYRLPWTWKCSKLMKSIHAGLNAVAAILAISVVAVFENHNVN NIANMYSLSHWGLIIVICYLLQLLSGFSVFLPWAPLSLRAFL MPIHVYSGIVIFGTVIATALMGLTEKLIFSLRDPAYSTFPPEGV FVNTLGLLLILVFGALIFWIVTRPQWKRKRPNSTILHPNGGTEQ GARGSMPAYSCNNMDKSDSELNNEVAARKRNALDEAGQRSTM
6298	3	985	SVPLRLSLSGTLQAGTTTKMAVARLAAVAANVPCRSWGWAAV PFGPHRQLSVLLARIQORAPRWLPACRQKTSLSFLNRPDLPLNLA YKLLKGSPIGIIPIGYLSYMGTKALAIIEEFCKSLGHACIRFD YSGVGSDDGNSERSTLGKWRKDVLSIIDDLADGPIILVGSILGG WMLMHAAIARPEKVVALIGVATAADTLTKFNQLPVLKKEVEM KGVWSMPSKYSEGVYVQYSFIKEAHHCLLHSPIPVNCPIRL LHGKDDIVPHTSMQVADRVLSTDDVDVILRKHSDHRMREKADI QLLVYTTIDDLIDKLSTIVN

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6299	512	814	ECDELEGIMPNVTISLSLPTNGSPLODILVHPCVTSLDSAILTSS SIDAMDDSAFSGPYKFPPTPPLESFNLCFYTSQVPPVPPILGFYQ MKEEVQLRNNH
6300	121	692	AAPSCWSQRGVPAAGTPSSPRLLVSRRAAPSAGPWGAWRQGARA AQSPFSIPNSSSVPYGSQDSVHSSPEDGGGGRDRPVGGSPGGPR LVIGSLPAHLSPHMFPGFKCFVCSKRFVSSDEMHLVLMCLTKPR ITYNEDEVLSKDAGRCACLEELQGGDTIARLPCLCTYHKGCIDB WFEVNRSCPEHPSPD
6301	616	284	GKFPVFNWEPQPLFPFKYLRCYRCLETKELGCLLGSDICLTP AGSSCITLHKNSGSDVMVSDCRSKQMSDCNTRTSPVSGFW IFSQCFLDFCNDPQNRGLYTP
6302	490	745	IFGFLHLPHMEHSPLLVLCALFAHVFFSSSCGSSVALHSDPCLLS PVLLNCLPGDLRPLDELVAQKLKYKALISELDHALNDMTSL
6303	2	1961	YKNEYGGGLLWQSWQEKHPQALSSFPNFPDTKEEWEQHYSQL XWYYLEQFYWEAQWTFDASQSCDITDTYTSKTEADKNDKCKM KVDLVSPLSSPIMGDNDSSGTSKDHSEILDGISNKLNSEEV QSQLDSCSTSHDGHQQLSEVSSKRECPASGQSEPRNGGTNEESNS SGNTNTDPPAEDSQKSSGANTSKDRPHASCTDGESEEDPEPHK PSKLKRSHELDIDENPASDFDDSGSLLOPKYGGQYGGIPNFS HRQVRYLEKNVILKSKYLDMMRQIKMKNKHIFFTKESEKFFFK SKILSKVEKFLTNVKNKPMDEEASQSSSHDNGHDASTSCDSEBQ DMSVKKGDDLLTNPEPEKQCQSVSSAGLETENYERDSILATV PDEQDCVTQEVVDSRQAETAEVKKKKNKKKKNKKNGLPPRIAA VPBLAKYWAQRYLPSRFDDGKILDRGNFVSFTEKIAERHAGR VSQSFKCDVVVDAPCGVGGNTIQFALTGMRVIAIDIDPVKIALA RNNAEVYGIADKIEFICGDFLLASFLKADVVFLSPPWGGPDYA TAETFDIRTMSPDGFIEIFRLSKKITTNNIVYFLPRNADIDQVAS LAGPGGQVEIBQNFNNKLKTTITAYFGDLIRRPASET
6304	1	1438	HRARVDRSRESFGDLRHFGVRVRDITLSGHPRLSTOHVLLRE DEVGDPGTIKDLGHPQHGSPIQETQSEVVTLVSLPGSDMAALPA NRATSLGLTLWPHTAEGRDLLGAENRALTGQQAEPTLBSAGAY WPGSVEKLQGSVWCDAETLLSSRTGGQAPPWLTDEHDVQMLRL AQGEVVDKARVPAHQVQLQVGFSTEAALQDLSSPRLSQLCSQGL CGLIKRPGDLPEVLSFHVDRVLGLRRSLPAVARRFHSPLLPYRY TDGARFVPIWAPDVQHLSDPDDEQNSLALGNLQYQALLAHSCN WPGQAPCPGIHHTENARLALDFLLQVHDLRLDRYCOGFEPSPD PCVEERLREKCRNPALRLVHILVRSSDPShLVYIDNAGNLQHP EDKLNFRLLLEGIDGFPSAVKVLASGCLQNMLLKSLQMDPVFWE SQGGAQGLKQVLQTLQEQGVLLGHIQKHNLTFRDEDP
6305	99	420	NMIWRGRSTYRPRRSPVPPRLIGPMLEPGDEEPQOEPPTES RDPAPGQERBEDQGAETQVPDLEADLQELSQSKTGDECGDGPD VQKILTKSEQKMPGR
6306	1	1874	PTRPSSKVKVPHFTLIHSYTRPTVCQACKLLKGLPRQGLQCKDC KFNCHKRCATRVNDCLGEALINGDVPMEETDFSEADKSALMD ESEDGVI PGSHSENALHASEEEEGEGGAQSSLYIPLMRVVQ SVRHTTRKSSSTTLREGWVVHYSNKDITLRRHYWRLDCKCYTLFQ NNTNRYKIEIPLSEILTVEAQNFSLVPPGTNPHCFRIVTANA TYFVGEMPGGTPGCPSCQGAERAGNETAIRQALMFVILQDAPS APGHAPHRQASLSISVNSQIQENVDIATVYQIFPDEVLGSGQF GVVYGGKHKRTGRDVAVKVIDKLRFPTKQESQLRNEVALQSLR HPGIVNLECMFETPEKVFVVMKELHGDMLRMILSSEKGRPLERL TKFLITQILVALRHLHPKNIVHCOLKPEENVLLASADFPQVKLC DFGFARIIGEKSPRRSVVGTAYLAPEVLLNQGVNRSMDMWSVG VIMVYLSGTFFPNEDEDINDQIQNAAPMPASPWSHISAGAI LINLLQVKMRKRYSDKSLSHPLQBYQTWLDLRELEOKMGER YITHESDDARWEQFAABHPLPGSGLPTDRDLGGACPPQDHDWQ

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6307	2136	589	LAERISVL CFLPRGRDPEPPEAGAAAPCAPGAPDMSFRKVVVRQSKPRHVF QPVKNDOCYEDIRVSRVTWSTFCVNPRLAVIVEASGGGAPL VLPLSKTGRIDKAYPTVCGHTGPVLDIDWCPHNDV IASGSDC TVMVWQIPENGLTSLTEPVVVLEGGTKRVGIIAWHPTARNVLL SAGCDNVVLIWNVGTAEELRLDLSLHPLIYNVSWNHNGSLFCS ACKDKSVRIIDPRRGTLVAEREKAHEGAPMRAIFLADGKVF GFSRMSERQLALWDPENLEEFMALQELDSSNGALLPFYDPDTSV VYVCGKGDSSIRYFEITEPEPPIHFLNFTSKBPQRMGSMPPK GLEVSKCBIAIFYKLHERKCEPIVMTVPRKSDLFQDDLYPDTAG PEAALEAEWVSGRDADPILISLREAYVPSKQDRLKISRRNVLS DSRPAMAPGSSHLGAPASTTTAADATPSGSLARAGEACKLEEV QELRALRALVKEQGDRI CRLEEQIGRMENGD
6308	2	1118	GRPTRPEKMLLSVLHTYSMRYLLPSVVLGTAPTIVLWGVWR LLSAFLPARFYQALDDRLCYVQSMVLFENYTGVOILLYGDL PKNKENIYLANHQSTVDWIVADILAIQNALGHVRYVLKEGLK WLPYGYWYFAQHGGIYVKSASFNEKEMRNKLQSYVDAGTPMYL VIFPEGTRYNPEQTKVLSASQAFQAQGLAVLKHVLTPIKATH VAPDCMKNYLDAIYDVTVVYEGKDDGQRRSPMTTEFLCKECP KIHIIHIDRIDKDVPEEQEHMRRLWHERFEIKDKMCLIEFYESP PERRRKRFPGKSVNSKLSIKKTLPSMLILSGLTAGMCMTDAGRKL YVNTWIYGTLLGCLWVTIKA
6309	220	563	LVAEVKEPCSLPMLSDMENKENGSGVGVKNSMENGRPPDPADWA VMDVVNYFRTVGFEEQASAFQEQEIDGKSLMLMTRNDVLTGLQL KLGPAKIKYBYHVKPLQTKHLKNSS
6310	36	979	GPRCWKFLILSSVNCETLRIGKAWPQSSGQERYWTPRTHSSASE AQRGSLAEILNVAAGLWADCDQPLYDCPMGLICTNYHILQEHV DLHLEENSPQGMDRVQCSGDLQALHQLQBEDRKRRESERQ IEEFQKLQRQYGLDNGSGYKQQLRNMEIEVNRGRMPPEFHR KADMMESIALGPDGKTKTSGIEALHRYQNAATDVRVWLSS VVDHFHSSSLGDKWGCYRNFMQLSSLLQNDAYNDCKLGMILP CIPKIQSMIEDAWKEGFDPOGASQLIIRLQGTGAWIGACEVYIL LTSIRV
6311	1	675	PVWVNSCEGPRLAAARTGHGVGRRARLACLGEPRVKAAMVLT ASLKRDDGLKGSRTAATASDSTRVSVRDKLLVKEVARLEANL PCTCKVHFPPDFNKLHCFQLTVPDEGYQGGKFPFETVDPAYN MVPPKVKCLTKIWHPNITETGEICLSLLEHSDGTGNAPTRTL KDVVWGLNSLFTDLLNFDDPLNIEAAEHHLRDKEDFRNKVDDYI KRYAR
6312	213	1400	GDELVKREAGMKMLPGVGVPTGSSARVLVPLRAEGPTVEALW GKTEERAKQLAKEMNTAFYTSRTDDILLHQVDVLCISIPPLT RQISVKALGIGKNVVCEKAATSVDAFRMVTASRYYPQLMSLVGN VLRFLPAFVRMKQLISEHYGAVMICDARIYSGSLLSPSYGNIC DELMGGGGLHTMGTYIVDLLTHLTGRRABKVHGLLKTFRQNA IRGIRHVTSDDFCFQMLMGGGVCSVTILNFMMPGAFVHEVMV GSAGRLVARGADLYGQKNSATQEKLLLRDSLAVGAGLPEQGPQD VPLLKLMVYVQALRQSPQCGDRRTWDRTPVSMASFEEDGL YMQSVVDIAIKRSSRSGEWEAVEVLTBEPDTHQNLCEALQRNNL
6313	2	2071	QRSGAARLAFLPSEFSPACVHRSPLSFHGCWFFVVFVMPGLV FHRRAHAGCTLSCSSFVEQPTAMEAEETMCLQBFEHHKMILD RLNEQREQDRFTDITLIVDGHIFKAHKAVALAACSKFFYKFPQF TQELVIEIGVSKMAFRHLIEFTYAKLMIQGEREANDVWKAAE FLQMLEAIKALEVRNKENSAPLEBNTTCKNEAKKRIARTSNVI TSLPSAESEPEVEIEIAEGTIEVEDEGIETLEEVASAKSVK YIQTGSSDDALALLADITSKYRQGDRCQKQIKEDGCPDPTSK QVEGLEIVELQLSHVKDLPHCEKCNRSFKLFYHFKHMKSHSTE

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			<p>SFKCEICNRYLRRESAWKQHLNCHYHLEGGVSKKQRTGKKIHVC</p> <p>QYCEKQFDHFGHFKHLRKHTGKPFCEPCNCHERFARNSTLKCH</p> <p>LTACQTVGAKKGRKKLYRCQVCNSVFNSWDQPKDHLVIHTGDK</p> <p>PNHCTLCDLWFMQGNELRRHLSDAHNISRVLVTEVLSVETRVO</p> <p>TEPVTSMITIEQVGKVVHLPILLQVQVDSAQVTVEQVHPDLLQDS</p> <p>QVHDSHMSRLPEQVQVSYLEVGRIQTEEGTEVHVVEELHVERVNO</p> <p>MEPVEVQTELEADLDHVTPEIMNQEERESSQADAAEAAREDHED</p> <p>AEDLETKPTVDSAEAKAENEDRTALPVL</p>
6314	2	2071	<p>QRSGAARLAFPLSPFSPACVHRSPLSFHGCWFYFVVVFMPLGLV</p> <p>FHRRRAHGCTLSCSSFFVEQPTAMEAETMECLQEPPEHHKMILD</p> <p>RLNEQREQDRFTDITLIVDGHFFKAHKAVALAACSKFFYKFPQEF</p> <p>TQBPVLEIEGVSKMAFRHLIEFTYAKLMIQGEERANDVWKAEE</p> <p>FLQMLEAIKALEVRNKENSAPISENTTGKNEAKKRIARTSNVI</p> <p>TESLPSABSEFPVEIEVRIABGTIEVEDEGISTLEEVASAKQSVK</p> <p>YIQSTGSSDSDSALALADITSKYRQGDRLKQIKEDGCPDPTSK</p> <p>QVEGIEIVRLQLSHVLDLFHCEKCNRSFKLPYHFKHEMKSHSTE</p> <p>SFKCEICNRYLRRESAWKQHLNCHYHLEGGVSKKQRTGKKIHVC</p> <p>QYCEKQFDHFGHFKHLRKHTGKPFCEPCNCHERFARNSTLKCH</p> <p>LTACQTVGAKKGRKKLYRCQVCNSVFNSWDQPKDHLVIHTGDK</p> <p>PNHCTLCDLWFMQGNELRRHLSDAHNISRVLVTEVLSVETRVO</p> <p>TEPVTSMITIEQVGKVVHLPILLQVQVDSAQVTVEQVHPDLLQDS</p> <p>QVHDSHMSRLPEQVQVSYLEVGRIQTEEGTEVHVVEELHVERVNO</p> <p>MEPVEVQTELEADLDHVTPEIMNQEERESSQADAAEAAREDHED</p> <p>AEDLETKPTVDSAEAKAENEDRTALPVL</p>
6315	1	1015	<p>LGAVNVVTTLVLSYCPATETAPYWTYLLCALGLFIYQSLDA</p> <p>IDGKQARRTNSCSPGLGELPDHGCDSLSTVFMVAGASIAARLGT</p> <p>PDWFFSCSPICMPVFPYCAHWQTYVSGMLRPGKVDVTEIQIALVI</p> <p>VPVLSAFGGATMWDYTIPIELIKLILPVLGFLGGVIFSCSNYF</p> <p>HVILHGGVGKNGSTIAGTSVLSPLHIGLIIILAIMIYKKSATD</p> <p>VFERKHPCLYILMFGCVFAKVSQKLVAHMTKSELYLQDTVFLGP</p> <p>GLLFLDQYFNNFIDBYVVLWMAVVISSFDMVIYFSALCLQISRH</p> <p>IHLNIFKTACHQAPFQVQVLSKSHQNNMD</p>
6316	1503	792	<p>VSAGAGTGIMGGTTSTRRTFEADENENITVVKGIRLSENVDR</p> <p>MKSSPSGSKSQRYSGAYGASVSDDEELKRRVABBLALBQAKKE</p> <p>EDQKRLQAKELDRBRAANEQLTRAILRERICSEERAKAKHL</p> <p>ARQLEKDRVLKKQDAFYKEQLARLEERSSEFYRVTTQYQKAA</p> <p>BEVEAKFKRYESHPVCADLQAKILQCYRENTHTLKC SALATQY</p> <p>MHCNVNHAQSMLEKGG</p>
6317	102	839	<p>PEAQTSAVLAREKGLPTMRHEAPMQMASAQDARYGQKDSDDQ</p> <p>FDYMPKLLIIGNSSVGKTSFLFRYADDSFTSAFVSTVGIDPKVK</p> <p>TVFKNEKRIKLQIWDTAGQERYRTITTAYYRGAMGFILMYDITN</p> <p>BESFNAVQDWSTQIKTYSWDNAQVILVGNKCDMEDERVISTERG</p> <p>QHLGELQGFEPFETSAKDNINVQTFERLVDIICDKMSSESLTD</p> <p>PAITAAKQNTRLKETPPPPQFNCAC</p>
6318	1765	733	<p>PWHPLRTLPLHHPHPPRAEGREGADSMHLPGLLELRREAPPL</p> <p>LGPLLSPPFLPAGSWHRQMLRSSLRFPITNSAGAPCKAAGRMTI</p> <p>LAPVRRDRVLAEPLQCLRKEAALHGKDFHPRVTCACQEHRTGT</p> <p>VGFKISKVIVVGDLSVGKTCILNRFCKDTPDKNYKATIGVDFEM</p> <p>ERFEVLGIPFSLQWLDTAGQERFKCIASITYRGAQAIIVFNLN</p> <p>DVASLEHTKQWLADALKENDPSSVLLFLVSGSKDLSTPAQYALM</p> <p>EKDALQVAQEMKAEYNWVSSLTGENVREFFFRVAALTFEANVLA</p> <p>KLEKSGARRIGDVVRINSDDSNLYLTASKKKPTCCP</p>
6319	88	717	<p>AATMRLNQNTLLLGKKVVLVPYTSERHVSRYHEWMKSEELQRLT</p> <p>ASEPLTLEQYAMQCSWQEDADRCTFTVLDAEKWQAQPGATEES</p> <p>CMVGDVNLPLTDLEDLTGRIEVMIAEPSCRGKGLGTEAVLAML</p> <p>SYGVTTLGLTKFEAKIGQNEPSIRMFQKLHFEQVATSSVPQEV</p>

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6320	90	1111	TLRLTVSESEHQWLLLEQTSHVEEKPYRDGSAEPC RPRTGREKVMAMAVDSFYLLVREIARSCNCEALALVGAWYTA RKSITVICDFYSLIRLHFIPRLGSRADLIKQYGRNAVVSATDG IGKAYAEELASRLNIIILISNEEKLVVAKDIADTYKVETDII VADPSSGREIYLPVREALKDKDVGILVNNVGVFPYPQYFTQLS EDKLWDIINVNTAAASLMVHVLPGLMVBRKGAIVTISGSCCK PTPOLAAFSASKAYLDHFSRALQYBYASKGIFVQSLIPFYVATS MTAPSNFLHRCMWLVSPKPYAHAVSTLGISKRTTGYNSHSIQ FLFAQYMPDWLVWGANILNLSLRKEALSCTA
6321	1418	341	HRKAALGALMAGRLGKALAAVSLSLALASVTIRSSRCRGIQAF RNSPSSSWPHLNTVMSCNGSKENSHNKARTSPYFGSKVERSQ VPNEKVGWLVWQDYKPVETAVSVLAGPRWADPQISBSNFPSPK FNEKDGHVERKSKNGLYEINGRPRNPAGRTGLVGRGLLGRWGP NHAADPIITRWKRDSSGNKIMHPVSGKHILQFVAIKRKDCGEWA IPGGMVDPGEKISATLKREFGEBALNSLOKTSABKRRIEKLHK LFSQDHLVIYKGVDDPRNTONAMMETRAVNYHDETGEIMDNL LEAGDDAGKVKWDINDKLKYASHSQPIKLVAEKRDHWSSEDS EADCHAL
6322	2047	1083	NQIILKNVSSRTVQPHFLEPLLGLWSVDVGRHPGWTGHVST WSINCCDDGEGSQEEVISEDIGASIPNGQKKVLYADALTEI AFVVPSPVESLTDLSLENI SDODSDSNMDLMPGILKQPSLTLEL FPNHTDNLNSSLSPSSRMKLPQGREVPVPLGPETRVSVVWVE RYDDIENFPLSELMTISTGVETTANSSTSLRSTTLEKEVPVIF IHLPLNTGLFRIKIQCATGKFNMVPLVDGMIVSRRALGFLVRQT VINICRRKRLSDSYSPPHVRRKQKITDIVNKYRNKQLEPEFYT SLFQEVGLKNCS
6323	1	656	PASTTDGAQEARVPLDGAFWIPRPPAGSPKGFACVSKPPALQA PAAPAPEPSASPPMAPTLFPMESSKSKTDSVRAAGAPPACKHLA EKKTMINPTTVIEVYPTTEVNDYLLWSIFNFVYLNFCCLGFLA LAYSLEKVRDKLLNDLNGAVEDAKTDRLINITRSLAASCIMLW MALSVIATHRGLRSSASILVAEPHDWTERPQVTFRERCPAL ECAGMRRCCPCRGSLNEAEAGALPAAARMGLEAPRGRRRQPGQO RPGPGAGAPAGRPEGGFWARTEGSSLSHSEPERAGLGPAPGTES PQARFMTDQGTPEAAAGLVETERPKQKTEPDRSSLRTHLEWSW SELGTTCLWTETGTGLWTDPHRSDLQFQPEKASPWTQPGVHGP WTELETHGSSQTQPERVKSADNLWTHQNSSSLQTHPEGACPSKE PSADGSWKELYTDGSRTOQDIEGPWTEPYTDGSQKKQDTEAARK QPGTGGFQIQDITDGSWTQPSDTGSQTAPGTDCLLGEPEDEGLR EPEPGELLTHLYSHLKCSPLCPVRLIITPETPPEAQPVGPPS RVEGGSGGFSSASSFDESEDDVWAGGGGASDPEDRSGSKPWKIL KTVLKYSFVVSFVKHYPPVQLSGHAGNFQAGHDGRILKRFQC BQRSLEQLMKDPLRPFVPAYYGMVLQDQTFNQMEDLLADPFGP 9IMDCMGSRTYLEELVKARERPRPRKDMYKMWAVDPGAPTP EEHAQGAVTKPRYMQWRETSSTSLGFRIEIKKADGTCTNIF KKTQALEQVTKVLEDFVDGDHVILOKYVACILEELREALISPPF KTHEVVGSSLLFVHDHIGLAKVMMIDFGKTVALPDHQTLSHRLP WAEGNREDGYLWGLDNMICLLQGLAQS
6324	1	2061	GLRDPFRKRRLKPVQKSNYVNDMWPGSPQEKDSPSTSRSGGS SRLSSRSRSRSFSRSRSHSRVSSRFSSRSRSRSRSRRRHQ RKYRRYSRSYSRSRSRSRRYRERYGFTRYYSRSPRYRSRS RSRSRSRSRSYCGRAYAIARGQRYYGFGRTVYPPEHSRWRDRSR TRSRRTPFRLSEKDRMELLEIAKTNAAKALGTTNIDLPASLRT VPSAKETSRGIGVSSNGAKPEVSIILGLSEQNFQKANCQI
6325	165	944	GEPSPATQKQPSATGAGVLHQHFSSGHIIVLMGLLPPPWTTISFT VQTTLQPPGGLPAAPVSGRMAPBVGRLARRMVPBAGKRTQTL GARRVAAQGARPLPEDRRPKSGERLHVTVAPCWEFVLPVSLTA
6326	238	680	

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			QANGGVGQEASSGVP
6327	1	1337	SLARLAPAGGSVMPTQQPAPSTRAPKPSRSLSGSLCALFSDA DSGSGMKARLPPGPGAVGREMTKREKLQLRKEKKQKKRKEEK GABPETGSAVSAACQGPTRRELPSGILQGTPREKVPAGRSKAE LRAERRAKQEAERALKQARKGEQGGPPKASPSTAGETPSGVKR LPETPQVDDLLRLRLVKKPERQVPTRKDYGSKVSLFSLPQYS RQNSLTQFMSPSSVIHPAMVRIGLQYSQGLVRGSMNARCIALLR ALQQVIQDYITTPNEELSRDLVNKLKPYMSFLTQCRPLSASMIN AIKFLNKEITSVGSSKREBEAKSELRAAIDRYVQEKIVLAAQAI SRFAYQKISNGDVLVYGCSLSVSRILQEAMTEGRRFRVVVDS RPWLEGRHTLRSLVHAGVPASYLLIPAASYVLPEVSTEEDSKV GGEKV
6328	1030	276	HASAEVTTAAARGLGAMEEEMHTDAKIRAENGTSPPRGPGCSL RHFACQNLISRPDGSASFLOQDTSVLGAVYGPABVKVEKEIYN KATLEVILRPKIGLPGVAEKSRERLIRNTCEAVVLGTLHPTSTI TVVLQVSDAGSLIACCLNAACMALVDAGVPMRALFCGVACALD SDGTLVLDPTSQKQKRAVLTALDSDVERKLLMSSTKGLYSDT ELQCCIAAAQAASQHVFRFYRESLQRRYSKS
6329	3	2016	SSEVAAGGOTRSAMAEQSGEVVTVSATGAANGLNNGAGTSATT SNPLSRKLHKLITRLDNDKEMLEALKALSTFFVENSRLTRRNL RGDIERKSLAINEEFVSIFKEVKEELESISEDVQAMSNCCQDMT SRLQAAKEQTQDLIVKTTKLQSESQKLEIRAQVADAPLSKFQLT SDEMSLLRGTRREGPITEDFFKALGRVKQIHNQVLLRTNQQT GLEIMEQMALQETAYERLYRWAQSECTLTQESCDVSPVLTOA MRALQDRPVLYKYTLDEFGTARRSTVVRGFIIDALTRGGPGGTPR PIEMHSHDPLRYVGDMLAWLHQATASEKEHLEALLKHVTQGV ENIQEVVGHITGVCRPLKVRIBQVIVABPGAVLLYKISNLLKF YHHTISGIVGNSATALLTTEEMHLLSKKIFFNLSLSLHASKLMD KVELPPDLPSSALNQTLMLREVLASHDSSVPLDARQADFV QVLSCLVDPLQMCVTSASNLGTADMATFMVNSLYMMKTTALF EFTDRRLMLQFQIEAHLDTLINEQASYVLTTRVGLSYIYNTVQQ HKPEQGSANMPNLDVTLKAMVQFDRYLSAPDNLLIPQLNFI LSATVKEQIVKQSTELVCRAVEVYAAVMNPINEYKDPENILHR SPQQVQTLLS
6330	1151	333	FFYYTTFYENKTFSRKMVAEKETLSLNKCPDKMPKRTKLLAQOPL PVHQPHSLVSEGFVTKAMMKNSVVRGPPAAGAFKERPTKPTAFR KPYERGDFFIALBHDSKGNKIWKVEIEKLDYHLYLPLFFDGLC EMTFPYEFARQGIHDMLEHGGNKILPVLPLQIIPKNAIHLNRN RQVICVTLKVLQHLVVSAMVGKALVPYYRQILPVLNIFKNMNV NSGDGIDYSQQKRENICDLIQETLEAFERYGGENAFINIKYVVP TYESCLLN
6331	3	495	QQGQVRVTRGRACASATPLEGCVDLSPVTHAALLKVAQMVT LLAFICVRSSSLWNTNYSAYSFEVVTICDLIMILAFYLVHLFRFY RVLTICISWPLSELLHYLIGTLILLIASIVAASKSYNQSGLVAGA IPGFMAIFLCMASIWLKISKCVTQSTDAV
6332	1	878	VTESNKFPLVSPFIPLLRERTYSNNQYARQFIISWILVLESVPDI NLDDLPEILDGLQILGDNKEIRKMCVVVLEGEFLKEIKKNPS SVKFAEMANILVHCQTDDLIQLTAMCNMREFIQLAGRVMLPY SSGILTAVLPCLAYDDRKSIKEVANVCNOSLMKLVTPEDDELD BLRPGQRQARPTPDDALPKQEGTAGSEWTPSLHLTSCRGPRED VIGVALGPHLSNQDYFMVYVTHITVAATQRSGSSGSPFFCRQDTG KLSTMAHSQLVKTGTGLEPRQAVSSSH
6333	3	1467	TRTPSEAEAGGESQSCVSAHSDWTAGKPVSLIAPLIIPRSAG QPLTFSPSGRQPLRSLLVGMCSSGRRSSLSPTMRPGTGAERG GLMMGHFGMHYAPMGHHPMQRANMPVPHGMMPQMMPPMGPP MGQMPGMSSVMPGMMMSHMSQASMQPALPPGVNSMDVAAGTAS

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			GAKSMWTEHKS PDGRTYYNYTETKQSTWEKPDLLKTPAEQLLSK CPWKSYKSDSGKPYIYNSTQKESRWAKPKELEDLEGYQNTIVAG SLITXSNLHAMIKAEBSKQKECTITSTAPVPTTETPTMTMA AAEAAAAVVAAAAAAAAAAAAAAAAASTSASNTVSGTVPVVPERP EVTISIVATVVDNENTVTISTEEQAQLTSTPAIQDQSVEVSSNTG EETSKQETVADPTPKKEEBSQPAKKTYYTNTKEAKQAPKELL KEKRVPSNASWEQAMKMIINDPRYSALAKLSKKQAPNAYKVQT EKK
6334	17	644	GGNPSGRAAGFAAAAMPSSPLRVAVVCSSNQNRSMERHNILSKR GFSVRSFGITGTHVCLPGPAPDKPNVYDFRTTYDQMYNDLLSKDK ELYTONGILHMLDRNKRIKPRPERFQNCDFDLILTCEERVYD QVVEDLNSREQETCPVHVNVVDIQDNHBEATLGAFLICECQC IQHTEDMENEIDELQEFEEKSGRTFLHTVCFY
6335	82	529	AARARPGVLCCLLGAALGDQSRVEMSYIPGQPVTAIVQVREIH KLKQGENLILGFSIGGIDQDPSQNPFSBDKTDKGIYVTRVSEG GPAEITAGLQIGDKIMQVNGWDMTMVTHDQARKRLTKRSEEVVRL LVTRQSLQKAVQSSMLS
6336	1003	438	HEPASKGRAEVGNMRLSVAALSHGRVFERMGLGPESRIHLRLN LLTGLVRRHERIEAPWARVDEMRYAEKLIDYKGLDGTNERAMRM ADFWLTKDLIPKLFQVLAPRYKDTGGYTRMLQIPNRSIDRAK MAVIEYKGNCLPPLPLPRDSHLTLNQLLQGLRQDLRQSQEAS NHSSHTAQTPGI
6337	76	524	EGIQMLSVQPDTPKPGCAGCNRKIKDRYLLKALDKYWHEDCLKC ACCDRLGEVGSSTLYTKANLILCRRDYLRLEFGVTGNCAACSKLI PAFKVMVRAKDNVYHLDCAFACQLCNQRPCVGDKFFLKNMILCQ TDYBEGLMKEGYAPQVR
6338	66	1349	APNSESGTQGPLPTPANLFWTRRANPDPTTSMATDRMOPKAVP GLRLALLLLGLGTPKSGVQGGEGLDFFEYDGVDRVINVNAKNY KNVFKYEVLLALLVHEPPEDDKASQRFEMBELILELAAQVLED KGVGFGLVDSEKDAVAKKLGLTEVDSTMYVFKGDEVIEYDGEFS ADTIVEFLLDVLEDPELIEGERELQAFNIEDEIKLIGYFKSK DSEHYKAFEDAAREFHPYIPPFATFDSKGAKLTLKLEIDFYE AFMEEPVTIPDKPNSSEIIVNFVEHRRSTLRKLKPSMYETWE DDMDGIHIVAPAEKADPDGFLETLKAVAQDNTENFDLSIIWI DPDDFPLLVFYWEKTFDIDLSAPQIGVVNVTDADRLWMEMDDER DLPSARLELDWLEDVLEGEINTEDDDDDDD
6339	246	1823	NRCDRGGGQAEQAGQGCRTQAGPGFGHGFPSQGAMKAPH TFCVVLLVPGSVSEAKFDDFEDEKDIVYDNDFAEFEDVMEDS VRESQPRVIITEDDEDETVELEGQDENQEGDFEDADTOEGDTE SEPYDDEFEFGYRDKPDTSSSKNKDPIITVDVPAHLQNSWESYY LEILMVTGLLAYIMNYIIGKNKNSRLAQAFNTHRELLESNFTL VGDDGTNKEATSTGKLNQENEHIYNLWCSGRVCCBGMLIQRLFL KRQDLLNVLARMMRPVSDQVQIKVIMNDEMDITYVFAVGTAKAL VRLQKEMQDLSEFCSDKPKSGAKYGLPDSLAILSEMGEVTDGMM DTKMVHFLTHYADKIRSVHFSQDFSGPKIMQERGOPLKLPDTKR TLLLTFNVPGSGNTYPKDMBALLPLMNMYIYSIDKAKKFRLNRE GKQKADKNRARBVENFLKLTHTVQREAAQSRREEKKRAEKRRIM NEEDPBKQRRLEEAALRREQKLEKKQMKMKQIKVKAM
6340	2	583	EACAHTLSCPAFARLGRARRRPNMSHRTSSTFRAERSFHSSSSS SSSSTSSASRALPAQDPPEKALSMFSDDFGSPMRPHSEFLAF PARPGGAGNIKTLDGAYEFAVDVDFSPEDIVTTSNNHIEVRA EKLADGTVMNNFAHKCQLPEDVDPTSVTSALREDGSLTIRARR HPHTEHVQQTPTETIKI
6341	2	645	KMAVLSAPGLRGFRILGLRSSVGPVAVQARGVHQSVATDGPSSSTQ PALPKARAVAPKSSRGYVVAKLDDLNVNARRSSLPMTFGLA CCAEMMHMAAPRYDMDFRGVVFRAFRQSDVMIVAGTTLNKMA

[illegible]

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			VILKWKFAYLPPSGSITTEDLGNFIRSEEPEVVQRLPPASSVSTLVLAAPRPKPRQLTPVDKKVSFVDIMPHQSDVVSQEGSVDEVKENTEKMQQGGDDVSLSEGQLAEQSLASSEDFTITEDLEPEVEEDMSASDSDDCIIPGPISKNIKQPSKKIRIETIALSLNDSQVVTMDDTIQLRFVECRFYSLPABETPVSLPKPKSGQWVYNYNENVIYVDKENNAKARDILKAILQKQEMPNRSLRFTTVSDPPDEBQDLECDIGVAHVLDLDMFQEGRDLEQNIDVFDARADGEGIGKLRVTVEALHALQSVYKQYRDDLEA
6346	2921	533	QDRLLRLLELQKTCQPTSTMSGSHTPACGPPSALTPTSINPQETLAKYTQKBESAEQPEFYDEFGFRVYKEEGDEPGSSLLANSPLMEDAPQRLRWQAHLFTHNHDVGDLTWDKIAVSLPRSEKLSLVLAGIPHGMRPQLWMRLSGALQKKRNSLSYREIVKNSSNDETTAAKQIEKDLLRTMPSNACFASMGSIGVPRLLRRVLRALAWLYPEIGYCGQGTGMVAACLLLFLEEDAFWMMSAI IEDLLPASYPSTTLGVO TDQVRRLHLIVQYLPRLDKLLQEHDI ELSLITLHWFLTAFAVVDIKLLLRWDLPFYEGSRVLFQTLGMLHLKEELIQSENSASIFNTLSDIPSQMEDAELLGVMRLAGSLTDVAVETQRRKHLAYLIADQGQLLGAGTLTNLSQVVRRTQRRKSTITALLFGEDDLEALKAKNIKQTELVDLREAILRVARHFQCTDPKNCVSVSRQLPGLLPNTALTPTPTPLVGLYSLWQELTPDYSMESHQRDHENYVACSRSHRRRAKALLDFERHDDDELGPRKNDIITIVSQKDEHCWVGELNGLRGWFPKAFVEVLDRSKEYSIAGDDSVTEGVTDLVRGTLCPALKALFEHGLKKPSILGGACHPWLFIEEAAGREVERDFASVYSRLVLCKTFRLEDGKVLTPBELLYRAVQSVNVTHDAVHAQMDVKLRSLICVGLNEQVLHLWLEVLCSLPTVEKWYQWSPFLRSPGWVQIKCELRVLCFPAFSLSQDWELPAKREAOQPLKEGVDRDMLVKHHLFSWDVDG
6347	2921	533	QDRLLRLLELQKTCQPTSTMSGSHTPACGPPSALTPTSINPQETLAKYTQKBESAEQPEFYDEFGFRVYKEEGDEPGSSLLANSPLMEDAPQRLRWQAHLFTHNHDVGDLTWDKIAVSLPRSEKLSLVLAGIPHGMRPQLWMRLSGALQKKRNSLSYREIVKNSSNDETTAAKQIEKDLJRTMPSNACFASMGSIGVPRLLRRVLRALAWLYPEIGYCGQGTGMVAACLLLFLEEDAFWMMSAI IEDLLPASYPSTTLGVO TDQVRRLHLIVQYLPRLDKLLQEHDI ELSLITLHWFLTAFAVVDIKLLLRWDLPFYEGSRVLFQTLGMLHLKEELIQSENSASIFNTLSDIPSQMEDAELLGVMRLAGSLTDVAVETQRRKHLAYLIADQGQLLGAGTLTNLSQVVRRTQRRKSTITALLFGEDDLEALKAKNIKQTELVDLREAILRVARHFQCTDPKNCVSVSRQLPGLLPNTALTPTPTPLVGLYSLWQELTPDYSMESHQRDHENYVACSRSHRRRAKALLDFERHDDDELGPRKNDIITIVSQKDEHCWVGELNGLRGWFPKAFVEVLDRSKEYSIAGDDSVTEGVTDLVRGTLCPALKALFEHGLKKPSILGGACHPWLFIEEAAGREVERDFASVYSRLVLCKTFRLEDGKVLTPBELLYRAVQSVNVTHDAVHAQMDVKLRSLICVGLNEQVLHLWLEVLCSLPTVEKWYQWSPFLRSPGWVQIKCELRVLCFPAFSLSQDWELPAKREAOQPLKEGVDRDMLVKHHLFSWDVDG
6348	3	3679	AGAECFVTTLACFLAQKQNKYKYECKDLIKSMLRNLQPKREKLAEQLKQAEELRQYKVLVHSQERELTQREKLREGRDASRSLNEHLQALLTPDEPKSQGDLQBLAEGCRLAQHLVQKLSPENDNDDDEDVQVEVAEKVQKSSPREMQKAEKEVPEDSLBECAITCSNSHGPCDSNQPHKNIKITFEDEVNSTLVVDRESSHDECQDALN ILPVPGFTSSATINSMVVSAGPLSGEKAAINILEINELRPLQAEKKQQFRNLKEKCELTQLACFLANQKQNKYKYECKDLIKFMLRNERQFKBEKLAEQLKQAEELRQYKVLVHSQERELTQREKLREGRDASRSLNEHLQALLTPDEPKSQGDLQBLAEGCRLAQHLVQKLSPENDNDDDEDVQVEVAEKVQKSSAPREMPKAEKEVPEDSL

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			<p>ECAITCSNSHGPDYDSNQPHRKT KITFEEDKVDSTLIGSSSHVEW EDAVHIIPENESDDEEEKEKGPVSPRNLOQSEEEVVPQESWDEG YSTLSIPPEMLASYKSYSTPHSLEEQQVCMVDIGRHRWDQVK KEDHEATGPRLSRELLDEKGPVQLQDSLDRCYSTPSGCLELTDS CQPYRSAPYVLEQQRVGLAVNMDEIEKYQVEEDQDPSCPLRSR ELLDEKEPEVLQDSLGRCYSTPSGYLELPDLGQPYSSAVYSLEE QYLGLALDVRICKDQEEEDQGGPCPLRSRELLLEVVEPEVLQD SLDRCYSTPSSCLEQPDSCQPYGSSFYALEEKHVGFSLDVGEIE KKGKGGKRRGRRSKKERRRRGRKEGEEDQNPCCPLRSRELLDEKG PEVLQDSLDRCYSTPSGCLELTDS CQPYRSAPYILEQQRVGLAV DMDEIEKYQVEEDQDPSCPLSGELLDEKPEVLQESLDRCYST TPSGCLELTDS CQPYRSAPYILEQQRVGLAVDMDEIEKYQVEE DQDPSCPLRSRELLDEKEPEVLQDSLGRCYSTPSGYLELPDLGQ PYSSAVYSLEE QYLGLALDVRICKDQEEEDQGGPCPLRSRELL LEVVEPEVLQDSLDRCYSTPSSCLEQPDSCQPYGSSFYALEEKH VGFSLDVGEIEKKGKGGKRRGRRSKKERRRRGRKEGEEDQNPCCP RLNSMLMEVEPEVLQDSLDRCYSTPSMYFELPDSFQHYRSVYF SFEEHISFALYVDNRFFTLVTSLHLVFMGVIFPQ</p>
6349	3	3679	<p>AGAEKCFVTLACFLAKQONKYKYECKDLIKSMLRNELQFKKE KLABQLQAEBELRQYKVLVHSQERELTQLREKLREGRDASRLN EHLQALLTPDEPKSQGDLQEQALAGCRLAQHLVQKLSPENDN DDEEDVQVEVAEKVQKSSSPREMQKAEKEVPEDSLECAITCS NSHGPCDSNQPHKNIKITFEEDVNSTLVVDRESHDECQDALN ILPVPGPTSSATNVSMVVSAGPLSGEKAANILEINEKLRPQLA EKKQQFRNLKEKCFLTQLACFLANQONKYKYECKDLIKFMLRN ERQFKKEKLABQLQAEBELRQYKVLVHSQERELTQLREKLREGR DASRLNEHLQALLTPDEPKSQGDLQEQALAGCRLAQHLVQK LSPENDNDDDEEDVQVEVAEKVQKSSAPREMPKAEKEVPEDSLE ECAITCSNSHGPDYDSNQPHRKT KITFEEDKVDSTLIGSSSHVEW EDAVHIIPENESDDEEEKEKGPVSPRNLOQSEEEVVPQESWDEG YSTLSIPPEMLASYKSYSTPHSLEEQQVCMVDIGRHRWDQVK KEDHEATGPRLSRELLDEKGPVQLQDSLDRCYSTPSGCLELTDS CQPYRSAPYVLEQQRVGLAVNMDEIEKYQVEEDQDPSCPLRSR ELLDEKEPEVLQDSLGRCYSTPSGYLELPDLGQPYSSAVYSLEE QYLGLALDVRICKDQEEEDQGGPCPLRSRELLLEVVEPEVLQD SLDRCYSTPSSCLEQPDSCQPYGSSFYALEEKHVGFSLDVGEIE KKGKGGKRRGRRSKKERRRRGRKEGEEDQNPCCPLRSRELLDEKG PEVLQDSLDRCYSTPSGCLELTDS CQPYRSAPYILEQQRVGLAV DMDEIEKYQVEEDQDPSCPLSGELLDEKPEVLQESLDRCYST TPSGCLELTDS CQPYRSAPYILEQQRVGLAVDMDEIEKYQVEE DQDPSCPLRSRELLDEKEPEVLQDSLGRCYSTPSGYLELPDLGQ PYSSAVYSLEE QYLGLALDVRICKDQEEEDQGGPCPLRSRELL LEVVEPEVLQDSLDRCYSTPSSCLEQPDSCQPYGSSFYALEEKH VGFSLDVGEIEKKGKGGKRRGRRSKKERRRRGRKEGEEDQNPCCP RLNSMLMEVEPEVLQDSLDRCYSTPSMYFELPDSFQHYRSVYF SFEEHISFALYVDNRFFTLVTSLHLVFMGVIFPQ</p>
6350	3	3679	<p>AGAEKCFVTLACFLAKQONKYKYECKDLIKSMLRNELQFKKE KLABQLQAEBELRQYKVLVHSQERELTQLREKLREGRDASRLN EHLQALLTPDEPKSQGDLQEQALAGCRLAQHLVQKLSPENDN DDEEDVQVEVAEKVQKSSSPREMQKAEKEVPEDSLECAITCS NSHGPCDSNQPHKNIKITFEEDVNSTLVVDRESHDECQDALN ILPVPGPTSSATNVSMVVSAGPLSGEKAANILEINEKLRPQLA EKKQQFRNLKEKCFLTQLACFLANQONKYKYECKDLIKFMLRN ERQFKKEKLABQLQAEBELRQYKVLVHSQERELTQLREKLREGR DASRLNEHLQALLTPDEPKSQGDLQEQALAGCRLAQHLVQK LSPENDNDDDEEDVQVEVAEKVQKSSAPREMPKAEKEVPEDSLE</p>

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			ECAITCSNSHGPFYDSNQPHRKTITFEEDKVDSTLIGSSSHVEN EDVAHIIPENESDDREEBKGPVSPRMLQSESEBEVPQESWDEG YSTLSIPPEMLASYKSYSTFHSLEEQVCMVAVDIGRHRWDQVK KEDHEATGPRLSRELLDEKGPVQLQSLDRCYSTPSGCLELTDS CQPYRSAPYVLBQQRVGLAVNMDEIEKYQEVEEDQDPSCPLRSR ELLEKEPEVLQDSLGRCYSTPSGYLELPDLGQPYSSAVYSLEE QYIGLALDVRICKDQEEBEDQGPPLRSRELLLEVVEPEVLQD SLDRCYSTPSSCLEQPDSCQPYGSSFYALEEKHVGPSLDVGEIE KKGKGRKRRGRSKKERRRRGRKGEEDQNPCCPLRSRELLDEK PEVLQDSLDRCYSTPSGCLELTDSQPYRSAPYILEQQRVGLAV DMDEIEKYQEVEEDQDPSCPLSGELDEKEPEVLQESLDRCY TSGCLELTDSQPYRSAPYILEQQRVGLAVDMDEIEKYQEVSE QDPSCPLRSRELLDEKEPEVLQDSLGRCYSTPSGYLELPDLGQ PYSSAVYSLEEYIGLALDVRICKDQEEBEDQGPPLRSRELL LEVVEPEVLQDSLDRCYSTPSSCLEQPDSCQPYGSSFYALEEKH VGFSLDVGEIEKKGKGRKRRGRSKKERRRRGRKGEEDQNPCCP RLNSMLMEVVEPEVLQDSLDRCYSTPSMYFELPDSFQHYRSVY SFEEHISFALYVDNRFTTLTVTSLHLVFMGMVIFPQ
6351	1291	319	REARRRTERSQLGRMLVVEVANGERSLVWGAABAVQALRERLGVGG RTVGLALPRGPRONSRLGLPLLLMPBEARLLAEIGAVTLVSAPRP DSRHSLALTSFKRQEESEFQEQSALAARARETRRQELLEKITB GQAACKQKLEQASGASSSQEAGSSQAAKEDETSQDQASGEQEA GPSSSQAGPSNGVAPLPSALLVQLATARPVRPKARPLDWRVQS KDWPHAGRPAPHELRYSTYHDLWERGFFLSAAGKFGGDFLVYTPGD PLRFHAHYIAQCWAPEDTIPLDLVAAGRLGTSVRKTLILLCSQP PDGKVYVYTSQWASLQ
6352	235	923	WSEWLSFCHAAKCKGLSMLRITMKTRAISSLAADATEFVQGRSAP AMARSLVHDTVFYCLSVYQVKISPTPQLGAASSAEGHVGQAGP LMGNNPPEGVNHENGMNRDGGMIPEGGGGNQEPQQPQPPEE PAQAAMEGEPENMQPRTTRTKFTLLQVEELESVFRHTQYPDVP TRRELAENLGVTEDEKVRVWFKNKRARCRRHQRELMLELRLADP DDCVYIVVD
6353	65	672	RFAGAGATPEARARPDDVQAAEEKEEMDLPDSASRVFCGRILSM VNTDDVNAIILAQKNMLDRFEKTNEMLNPNLSSARLQOMSER FLHTRTLVEMKRDLDIFRRIRTLKGLARQHPRAFSHIPAS FLEBEDDEPIPPSTTTIATSEQSTGSCDTSPTVSPSLSPGFB DLSHVQPGSPAINGRSQTDDEEMTGE
6354	965	510	PSLRPMETRDCLPFGAFSAILEMGAIDVSDLRFPVDPNQEVFC HPVTDQSLIVKLELQAHVGEAAARYHFDVGGVQGARAVHVE SVQPLSLENLALRGRCQEAWLSGKQQLAKENQQVAKDVTLHQA LLRLPQYQTDLLLTNNQPP
6355	158	1662	RGSSAARFGSGLRGAMIRRVLPHEMGRGLLTRRPGTRGGFSLD WDGVSEIKKKIKSILPGRSCDLLQDTSHLPPEHSDVVIIVGGGV IGLSVAYNLKLESRRGAIRVLVVERDHTYSQASTGLSVGGICQ QFSLPENIQSLFSASFRLNINEYLAVVDAPPLDLRFNPSGYLL LASEKDAAMESNVKVQROEGAKVSLMSPDQLRNKFPWINTGV ALASYGMEDEGWDPWCLLQGLRRKQVSLGVLCQGEVTRFVSS SQRMLTDDKAVVLKRIHEVHVMDRSLEYQPVCAIVINAAGA WSAQIALAGVGBGPPGTQGTLPVEPRKRYVYVWHCPQGPGL ETPLVADTSGAYFRREGLSNYLGGSPTEQEEPDPANLEVDHD PFQDKVWPHLALRVAFETLKVQSAWAGYDYNTFDQNGUVGPH PLVVNMYFATGFSGHGLQAPGIGRAVAVMVLKGRFQTDLSPP LFTRFYLGKTIQENNI
6356	354	633	TGLTSSCLPLQVMMTKRTKDMGKFSVTVSTIDEBEIEAREV ADSYAQNKVIEKQLERKGMKRRRLQELAELEAKKAKMKGLID NQFK

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6357	2	915	GLLRNMALLVRVLRNQTSTISQWVPVCSRLIPVSPTQGGDRALS RTSQNPQMSQSQACGGSEQLPGIDIQLNRKYHTRKLTSTTKDSP QPVEEKVGAFTKIIEAMGFTGPLKYSKNKIKIALRNYTSCVEK TDFEEFFLRQMPDTFNSWFLITLLHVNMCLVRMKQEGRSKGYM CRIIVHFMWRDQQGRVMEVNPYILKKNMILMTNHFYAILGY DEGILSDDHGLAAALWRTFENRKCEDPRHLELLVEYVRKQIQYL DSMNGEDLLLTGEVSWRPLVEKNPQSILKPHSPTYNDEGL
6358	2009	1040	ASDALHSLAPVLRLLSSRSAPRATMTQAIKFAKDFLAGGIAA AISKTAVERPIERVKLLQVQHASKQIAADKQYKGIQVDCIVRIPK EQGVLSFWRGNLANVIRYFPTQALNFAFKDKYKQIPLGGVDKHT QFWRYFAGNLASGGAAGATSLCFVYPLDFARTRLAADVGKSGTE REFRGLGDCLVKITKSDGIRGLYQGFVSQVQIIYRAAYFGVY DTAKGMLPDPKNTHTVWSMIAQTVTAVAGVVSYPPTVRRMM MQSGRKGADIMYGTGTVDCWRKIIPRDEGGKAPFKGAWSNVLRGMG GAFVLVLYDELKKVI
6359	98	1086	VCRQEEKMKEDCLPSSHVPISDSKSIQKSELLGLLKYNCYHE GKSFQLRHREBEGTLIEGLLNIAWGLRRPILQMQDDREQVHL PSTSWMPRRPSCPLKEPSQNGNITAGPSPQPVHKAESSTDS GPLEKAEAPQLMRTKSDASCSQRRPKCRAPGEAQRIRRHRS INGHFNHKTSVFTPAYGSVTNVRVNSTMTTLQVLTLLLNKPRV EDGPFSEFALYIVHESGERTKLKDCBYPLSRILHGPCBKTIARIF LMEADLGVEVPHEVAQYIKFEMPVLDSFVEKLEBEREIIKLT MKPQALRLTMLQRLEQLVEAK
6360	1	345	GTRGAVPSTLERVLPFRSCRVFWIHSGTIMSKVSPKITLTSDP RLPYKVLSPPESTPFTAVLKFAEEFKVPAATSAITNDGIGIN PAQTAGNVFLKHGSELRIIPRDRVGSC
6361	615	158	RPGLGQLQHCALAPQAGNRRCRPHGRHLHAITRSTHRGKPMISIMQ PKDTLNTPLPDSSSPVAVPLGAPLAVASTLSVEHNDGVETGIWAC APGRWRRQITSQBFCFIQGRCTFTTDDGETLHIQAGDALMLPA NSTGINDIQETVRKTYVLIL
6362	350	1576	TMDGSHSALEKLOQLPPTSSSSAVSEASFSYKENLIGALLAIF GHLVVSIALNLQKYCHIRLAGSKDPRAYFKTKTWLGLFLMLLG ELGVFASVAFAPLSLIVPLSAVSVIASAIIGIIFIXEKWKPKDF LRRYVLSFVGCGLAVVGTYLLVTFAPNSHEKMTGENVTRHLSVW PFLYMLVRIILFCLLLYFYKBNANNIVVILLVALLGSMITV TVKAVAGMLVLSIQGNLQLDYPIFYVMFVCMVATAVYQAAPLSQ ASQMYDSSLIASVGYLLSTTIIATAGAIYLDPIGEDVLHICMF ALGCLIAFLGVFLITRNRKKIIPFEPYISMDAMPGMNMDKGM TVQPELKASFSYGALENNDNISEIYAPATLFPVMBEHRGSRASG VPYRVLEHTKKR
6363	21	1201	RRTRLGSSFPRRRDSSAMESYDVIANQPVVIDNGSGVIRKAGFAG DQIPKYCFPNYVGRPKHVRVMAGALEGDIPTGPKAEHRGLLSI RYPMEHGIVKDWNDMERIWQYVYSKDQLQTFSEHPVLLTRAPL NPRKNRERAAEVFFETFNVPALFISMQAVLSLYATGRTTGVVLD SGDGVTHAVPIYEGFAMPHSIMRIDIAGRDVSRFLRLYLKKEGY DFHSSEFEIVKAIKERACYLSINPQKDETLETEKAQYLLPDGS TIEIGPSRFRAPELLFRPDLIGESSEGIHEVLVFAIQKSDMDLR RTLFSNIVLSGSGTLFKGFGDRLLEVKKLAPKDVKIRISAPQB RLYSTWIGCSILASLDTPKMMVSKKEYEEDGARSIRKTF
6364	21	1201	RRTRLGSSFPRRRDSSAMESYDVIANQPVVIDNGSGVIRKAGFAG DQIPKYCFPNYVGRPKHVRVMAGALEGDIPTGPKAEHRGLLSI RYPMEHGIVKDWNDMERIWQYVYSKDQLQTFSEHPVLLTRAPL NPRKNRERAAEVFFETFNVPALFISMQAVLSLYATGRTTGVVLD SGDGVTHAVPIYEGFAMPHSIMRIDIAGRDVSRFLRLYLKKEGY DFHSSEFEIVKAIKERACYLSINPQKDETLETEKAQYLLPDGS TIEIGPSRFRAPELLFRPDLIGESSEGIHEVLVFAIQKSDMDLR

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6365	234	1989	<p>RTLFSNIVLSGGSTLFGKFGDRLLSEVKLAPKDVKIRISAPQE RLYSTWIGGSILASLDTFKKMVWSKKEYEEDGARSIRHRTF</p> <p>KHKSRAACAARAQAFGPSRERREHVSFRSGLRRLGESNSGCCTM ASMGTLAFDEYGRPFLIKDQDRKSRLMGLKSHIMAAKAVA NTMRTSLGPNGLDKMVDKGDVTVTNDQATILSMDVDVHQIAK LMVLSKSDDEIGDGTGVVVLGALLLEAEQLLDRIHPRI ADGYBQAARVAIEHLDKISDSVLVDIKDTEPLIQTAKTTLGSKV VNSCHROMAETIAVNAVLTVADMERRDVFELIKVEGKVGGRLED TKLIKGVIVDKDFSHPMKPKVEDAKIAILTCPPPEPKPKTKKH LDVTSVEDYKALQKYRKEKFERMIQQIKETGANLAIQWGFDE ANHLLQNNLPVVRWVGGEIETLAIATGGRIVPRFSELTAEKL GFAGLVQBSIFGTTKDKMLVIEQCKNSRAVTIPIRGGNMIIE AKRSLHDLALCVIRNLIRDNRRVVYGGGAETSCALAVSQEADKCP TLEQYAMRAPADALEVIMALSENSGNMPTQMTTEVRARQVKEM NPALGIDCLHKGSTNDMKQHVIEITLIGKKQQLSLATQMVRMILK IDDIRKPGSEEE</p>
6366	257	1898	<p>GNKEGAHSSTFWLLSIFLGAVAMLCKEQGITVLGLNAVFDIIV IGKPNVLEIVQKVLHDKSLENLGMRLNGGLFMTLLTSGGAG MLYVRWRIMGTGPPAPTEVDNPFASFADSMVRAVNNYYSINA WLLLCPPWLCFDWSMGCIPLIKISDWRVIALAALNFCILIGLIC QALCESDEGHKRIILTGLGLFVIFPLPASNLFRVGFVVAERVL YLPSVGYCVLLTFGFGALS KHTKKKLLIAAVVLGILFINTLRVC LRSGEWRSEQLFRSALSVCPIANAKVHYNIGKNLADKGNQTAI RYREAVRLNPKYVHAMNNLGNILKERNELQAEELSLAVQIQ PDFAAANMNLGIVQNSLKRFEAEQSYRTAKHRRKYPDCYYNL GRLYADLNRHVDALNAWRNATVLKPEHSLAWNMMIILLDNITGNL AQAEAVGREALELIPNDHSLMPSLANVLGKSQKYKESEALELKA IKANPNAAASYHGNLAVLYHRWGHLDLAKKHYSISLQLDPTASGT KENYGLLRKLEBLMQKAV</p>
6367	287	1934	<p>SIGFPMVLVLSILLXTCEMFODSVAFEDVAVSFQTEWALLDPS QKNLYRDVMQSTFXNLTSGVKTWKVQNIIDEYKNPRRNLMLRE KLCEKSHHCGESFNQIADDMNLNRKTLPGITPCESSVCGEVGT GHSSLNTHIRADTGHKSSEYQYGENPYRNKECKKAFSYLDSFQ SHDKACTKEKPYDGKECTETFIHSCIQRHRVMHSGDGPYKCKF CGKAFYFLNLCLIHERIHTGVKPYKCKQCGKAFTRSTTLPVHER THTGVNADECKECCGNAPFPSEIRRHKRSHTGKPYECKQCGKV FISFSSIQYHKMTHTGKPYECKQCGKAFRCGSHLQKHGRTHTG EKPYECCRQCGKAFRCSTDLORHEKTHTEDKPYGCKQCGKGFRCASQLQIHERTHSGEKPHECKECCGVFKYFSSLRHERHTHTGKPH ECKQCGKAFRYFSSLIHERHTHTGDKPYECKVCGKAFRCSSSIR YHERHTHTGKPYECKHCGKAFISNYIRYHERHTHTGKPYQCKQC GKAFIRASSCREHERHTINR</p>
6368	1	327	<p>RPVPAKLNPRSWPRTAGALPLRPPPLTMVAFIDEVETEDFQYDE DSEYFYFPCPGDNFSITKEDLENGEDVATCPSCSLIKVIYDK DQFVCGETVPAPSANKELVKC</p>
6369	1	1745	<p>AGCCRDTRFPTPRGPGSLCHNFCRSACTVTRTTHGSPREDTGT PRSREMMFQDSVAFEDVAVSFQTEWALLDPSQKNLYRDVMQST FKNLTSGVKTWKVQNIIDEYKNPRRNLMLREKLCEKSHHCG RSNQIADDMNLNRKTLPGITPCESSVCGEVGTGHSSLNTHIRAD TGHKSSEYQYGENPYRNKECKKAFSYLDSFQSHDKACTKEKPY DGKECTETFIHSCIQRHRVMHSGDGPYKCKFCKGAFYFLNLCLI HERIHTGVKPYKCKQCGKAFTRSTTLPVHERHTHTGVNADECKE CGNAFSPSEIRRHKRSHTGKPYECKQCGKVIFISFSSIQYHKM THTGKPYECKQCGKAFRCGSHLQKHGRTHTGKPYECKQCGKA FRCSTDLORHEKTHTEDKPYGCKQCGKGFRCASQLQIHERTHSG EKPECKECCGVFKYFSSLRHERHTHTGKPECKQCGKAFRYF</p>

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			SSLHHERHTHTGDKPYECKVCGKAPTCSSTIRYHERHTHTGKPY ECKHCGKAFISNYIRYHERHTHTGKPYQCKQCGKAFIRASSCRE HERHTHTNR
6370	1711	329	FVLSEQRLETRTWPSPGLGRGAAAGARTAGAGLLRLLLGCG ALVGGRLRPVMTTPANAQNAKTWELSLYELHRTPOEAIMDGT IAVSPRSLHSELMCPICLMDLKNMTTKELHRCSDCIVTALR SGNKECPTCRKGLVSKRSLRPFDFDALISKIYPSREKEYAHQD RVLIRLSRLHNQALSSSTIEGLRMQAMHRAQVRVRPIPGSDQT TMSGGEGEPGEGEGEDVSSDSAPGPAPKRPBGGGAGG SSVGTGGCGTGGVGGGAGSSEDGDRGGTLGGGTIGPSPPGAP PPEPGGRIELVFRPHLLVERGEYCYTRYVKTGNATVDHLKY LALRIALERQQBAGEPGGPGGGASDTGGPDGCGEGGGAGGG DGPEPALPSLEGVSEKQYTYIAPGGGAFTTLNGSLTLELVNE KFWKVSRLPCLCYAPTKDPK
6371	3	288	GVANMSTAMNFGTKSFQPRPPDKGSFPLDHLGCKSFKEKFMKC LHNNNFNALCRKESKEYLECRMERZMLQBPLEKLGFGDLTSG KSEAAX
6372	2141	625	RVSATASEGKABERYKLEDLLEKSFSLVKMPSLQPVVMCMKH LPKVPEKKLKLVMADKELYRACAVEVRRQINQDNQALFGDEVSP LLKQVILEKESALFSTELSVLHNFPSPKTRRQGEVVQRLTRM VGKNVKLYDMVLQFLRTLFLTRNVHYCTLRALMLSLDLDVG EICTVDPCHKFTWCLDACIRERFVDSKRARELQGFIDGVKKGQE QVLGDLMLCDPFAINTLALSTVRHLQELVQETLPRDSPDLL LLRLLLALGQGAWMIDSQVFKEPKMEVELITRFLPMLMSFLVD DYTFNVQQLPAEEKAPVSYPTLPESFTKFLQEQRMACEVGLY YVLHITKQRNKNALLRLPLGLVETPGDLAFGDIFFLLTGNLAL LADEPALEDFCSSLPDOPLTASPRKENVHRHALRLIHLHPRV APSKLEALQKALEPTGQSGEAVKELYSQLEKLEQLDHRKPSPA QAAETPALSLPLSPVAPAPL
6373	67	711	PSRAARASPARLZAMVSWIISRLVLLFGTLYPAYYSYKAVKEK DIKEYVKMMYIIFALFTTAETFTDIPLCWPPFFYELKIAFVA WLLSPYTKGSSLLYRKFPVHTLSSEKEIDDCLVQAKORSYDAL VHFGKRLNVAATAAVMAASKGQALSERLSFSMODLTTIRGD GAPAPSGPPPPGSGRASGKHGQPKMSRSASESASSSGTA
6374	535	2105	HKLFCSYISTSEPPSSSTRHSCPTHTFCNYTSSTIFLSSTRDHS CPTHTFCNYTSSTIFLSSTRDHSCPTHTFCNYTSSTIFLSSTRD HSCPTHTSCNYTSSTIFLSSTRDHSCPTHTFCNYPRPIIRLSSC CPABLQTEGSGNKKKVLSGFQVLEDVLPPEGGGQPDORGTIN DISVLVRTRRGEQADHFTQTPLDGSGVLRVVDWERRFDHMQH SQHLITAVADHLFKLKTTSWELGRPSAIEIDTPSMTAEQVAA IEQSVNEKIRDRLPVNVRELSDDEVEQVSGRGLPDDHAGP IRVNIIGVDSNMCCGTHVSNLSLQVILKLGTEKGGKKNRNLIFL SGNRVLKWMERSHGTEKALTALKGGAEDHVEAVKKIQNSTKIL QKNNLNLRLDLAVHIAHSLRNSPDWGGVVILHRKEGDSEFMNII ANEIGSEETLLFLTUGDEKGGFLLAGPPASVETLGPVAVRL EGKGAGKKGRPGQKATKMSRRMEQAALLQDYISTQSAKE
6375	1	1535	AIMAAATRPVRLPEAGCEGORERCWNPSSRSRSHSGEGGLAASRT CPGRPRRPGQVVRGPTMLVTAFLAVGLLASCIGLELSRCRAK PPGRACSNPSPLRFQLDFYQVYFLAALADNLQAPLYLYLYQHYY FLEGQIALLYVCGLASTVLFGLVASSLVLDWLGKNSCVLFSLT SLCCLTKLSQDYFVLLVGRALGGLSTALLFSAFRWYIHEHVER HDFPAEWIPATFARAAPNWHVAVAGVAAEAVASWIGLGPVAP FVAIPLIALAGALARNNGENYDRQAFSRTCAGGLRCLLSDR RVLLLGTIQLFESVPIPVFLWTPVLDPHGAPLGIIFSSFMAA SLGSSLYRIATSKRYHLQPMHLLSLAVLIIVFSLFMTFTSTSP QGESFVBSFIAPLLIELACGLYPPSMSFLRRKVIPETEQAGVLN

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			WFRVPLHSLACLGLLVLDSDRKTGTRNMFSCSAVMVMALLAV VGLFTVVRHDAELRVPSPTEPYAPEL
6376	380	1437	ISSTDIDHYRFSFLVNSKMPKSKESWSGRKTNRAAVHKSQKQGRQ QDLLIALGMLKLGSPKSSVTIWQPLKLFAYSQSLTSLVRRATLKE NEQIPKYEKIHNFVKVHTFRGPHWCEYCANFMWGLIAQGVKCADC GLNVHKQCSKMPVNDCKPDLKHVKVYSCDLTTLVKAHTTKRPM VVMCIREIESRGLNSEGLYRVSGFSDLIEDVKMAFDGDKAD ISVNMVEDINIITGALKLYFRDLPIPLITYDAYPKPIESAKIMD PDEQLETLHEALKLPPAHCELTLYLMAHLKRVTLHEKENLMNA ENLGIVFGPTLMRSPELDAMAALNDIRYQRLVVELLIKNEILF
6377	2311	1845	SRIRRRSSRRPREPPGSPRRRRRRRDPRTMPSEKTFKQRRTFE QRVEDVRLIRBOHPTKIPVIIEYKGEKQLPVLDTKTKFLVVDHV NMSELIKIIRRLQLNANQAFFLLVNGHSHVSVSTPISEVYESE KDEGGFLYMYASQETFGMKLSV
6378	686	191	GAGFWAEFPDGTGRSSRRARLPQYKRPGRVGGGDSGRNMAVA DLALIPDVIDSDGVFKYVLIRVHSAPRSGAPAAESKEIVRGYK WABYHADIYDKVSGDMQKQGCCECLGGGRISHQSQDKKIHVYG YSMAYGPAQHAISTEKIKAKYPDYEVTWANDGY
6379	35	378	BRAGSPSPSRAALRRCAPQRSQAPRWPDRACRRSFQGSQGRAY LFNSVVNVGCGPABERVLLTGLHAVADIYCECNCKTTLGWKYBHA FESSQKYKGGKYYIELAHMIKONGWD
6380	1414	462	PAVQGGQRGAGPPTGRSGNMAEFALTIVVRHGETRFNKEKTIQGG GVDEPLSETGFKQAAAAGIFLNNVKFTHAFSSDLMTKQTMHGI LERSKFKCKDMTVKYDSRLRERKYGVVEGKALSELAMAKAAREE CPVFTPPGGETLDQVMRGIDFFELCQLILKEADQKEQFSQS PSNCLSTSLAEIFPLGKNHSSKVNSDSGIPGLAASVLVSHGAY MRSLFDYFLTDLKCSPATLSRSELSMVTPTGMSLFIINFERG REVKPTVQCICMNLQDHLNGLTENSLGLNLPKSNHFEPLKGPV LALFTSLLC
6381	1668	218	AVVRAQGSRGFSGAGWRPQAAAMNFSEVFKLSLLCKFSPDGK YLASCQYRLVVRDVNTLQILQLYTCLDQIQHIEWSADSLFILC AMYKRGVLVQVWSLEQPEWHCKIDEGSAGLVASCWSPDGRHILNT TEPHLRITVWSLCTKSVSYIKYKACLQGITPTRDGRYMAAER RDCKDYVSVFVCSQDWQLLRHFDTDQDLTGIBWAPNGCVLAVWD TCLEYKILLYSLDGRLLSTYSAYEWSLGIKSVANSPPSQFLAVG SYDGKVRILNHVTWKMITFPGHPAAINDPKIVVYKEAKSPQLG LGCLSFPPPRAGAGPLPSSSEKYEIASVPVSLQTLKPVTDNRP KIGIGMLAFSPDSYFLATRNDNIPNAVWMDIQKRLFAVLEQL SPVRAFQWDPQPPRLAICTGGSRLYLWSPAGCMSVQVPGEGDFA VLSLCWHLSGDSMALLSKDHFCLCFLETEAVVGTACRQLGGHT
6382	2	1062	PREDEDRNLCLTAYPLKGDHGIVDIVDNDCEPKSLLRWTTNK KHHVLETKTPKDWVRQHRKEKMKSHKLEEFEWLKKSEVLYY TVEKKNISSQLKHYNPWSMKCHQQQLQRMKENAKHRNQYKFIIL LENLTSRYEVPVCLDLKMGTRQHGDDASEEKAANQIRKQSQSTS AVIGVRVCGMQVYQAGSQQLMFMNKYHGRKLSVQGFKEALFQPF HNGRYLRRELGPVLKKLTELKAVLERQESYRFYSSSLVITYDG KERPEVVLDSDAEDLEDLSESADESAGAYAKPIGASSVDVVM IDFAHTTCRLYGEDTVVHRGQDAGYIFGLQSLIDIVTEISEESG E
6383	3159	1061	SPAPGRPSPHGSQPAARAAAAPAMPSAKQRGSKGGHGAASPSEK GAHPSAARPLAAPTAPACRSPPSGGAPASFPGRAPRSLASQP AARAAAAPAMPSAKQRGSKGGHGAASPSEKGAHPSGGADDVAEK PPAPQPPPPPPAPHPQHPQHPQHPQHPQHPQHPQHPQHPQHPQ SSSSASAAAAAASASCSRLGRALNLFYALVAAAAFS GWCVIHVLEEVQVRRSHQDFSRQREELGQGLQGVQKVSLOA TFGTFFESILRSSQHKQDLTEKAVKQGESEVSRISEVLQKLQNEI

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			<p>LKOLSDGIHVVKDARERDFTSLENTVREIRITRITKSINDNIAIF</p> <p>TEVQKRSQKEINDMKAKVASLEESEGNKQDLKALKEAVKEIQTS</p> <p>AKSRWDMEALRSTLTQTMESDIYTEVRELVSLEKQQAQAFKEAAD</p> <p>TERLALQALTEKLLRSSESRLPEKIRRLBEELRQLKSDSHGP</p> <p>KEDGGFRHSEAFRALQOKSQGLDSRLQHVEDGVLSMQVASARQT</p> <p>ESLESLLSKSQEHBQRLAALQGRLEGLSSSEADODGLASTVRESL</p> <p>GETQLVLYGDVBEKRSVGLPSTVESLQKVQEQVHTLLSQDQA</p> <p>QAARLPQDPLDRLSSLDNLKASVSQVEADLKMLRTAVDSLVA</p> <p>SVKTIETNENLESAGLLDLDLRLDFVKVEKIHKV</p>
6384	738	1904	<p>IWEVPVCLTHLLHQANQPLFPSSSINERDAEANRAIGER</p> <p>AAPDSGKKPKTPKTKQKDPNEPQKPVSAVALFFRDTQAAIKGQ</p> <p>NPNATFGEVSQIVASMWDSLGEQKQVYKRKTEAAKKBYLKALA</p> <p>AYRASLVSKAAASABAQTIRSVQQLASTNLTSLLNTPLSQ</p> <p>HGTVSASPQTLQQLPRSTAPKPLTMRLEMNQIVTSVTIAANMP</p> <p>SNIGAPLISMGITMVGSAPOSTQVSPVQTOQHMQLOQQQQQH</p> <p>QQQMOMQQQLQHQHMQIQQQMQQHFOHMQHLLQQQQQH</p> <p>LQQQINQQQLQQQLQQLQLQQLQHQHQSQSPSPRQHSVPASQI</p> <p>TSPIPAIGSPOPASQHQSQIQSQTQTQVLSQVSI</p>
6385	2	1584	<p>PRVRAADVAGAQAQVVSAGMAKSNGENGRAPAPAGSLSGTRES</p> <p>LAQGPDAATITDELSLSDSEANGPAERRIDKFGFIVGSQAGB</p> <p>ALIEVPLEVLRQRESKWLMLNWDKMAKHKKIRLRCKGIP</p> <p>PSLRGRANQYLSGGKVKLQONPGKFDLDMSPGDPKWLVDIERD</p> <p>LHRQFPFHMFVSRGGHQDQLFRVLKAYTLRPREGVCQAQAP</p> <p>IAAVLLMHMPAEQAFWCLVQICEKYLPGYSEKLEAIQLDGEIL</p> <p>FSLLQKVPVAHKHLSRKIDPELLYMTWFMCAFSRTLWSSVL</p> <p>RVNDMFFCEGVKILFRVGLVLLKHALGSPKVKACQGOYETIER</p> <p>LRLSPKIMQEAFLVQEVVLEFVTERQIEREHLIQLRRWQETRG</p> <p>BLQCRSPPLHGAKAILDAEPGRPALQSPSIRLPIDAPLPGS</p> <p>KAKPKPKQAQKEQRKQMKGRQLEKPPAPNQAMVVAAGDACP</p> <p>PQHVPKDSAPKDSAPQDLAPQVSAHHSQESLTSQESDITYL</p>
6386	819	195	<p>TVCGSPYLGIMQASRLKRELHMLATEPPPGITCNQDKQMDL</p> <p>RAQILGGANTPYEKGVPKLEVIIPERYPEPPQIRPLTPIYHPN</p> <p>IDSAGRICLDVLKLPKGAWRPSINLATVLTSLQLMSEPNPDD</p> <p>PLMADISSEPKYNKPAFLKNARQWTEKHARQKQKADEEEMLDNL</p> <p>PEAGDERVHINSTQKRKASQLVGIRKKPHPDV</p>
6387	1	662	<p>PGPTHASADAWADAWAQPNMAMHKAAPPQIPDTRRELAEVLKR</p> <p>KQELAETLANLERQIYAFEGSYLEDQMYGNIIRGWDRYLTNQK</p> <p>NSNSKNDRNRKFKKAERLFSKSSVTSAAAVSALAGVQDQLIEK</p> <p>RRPGSGTESDTSDFHNQENEPSQEDPEDLDGVSQGVKPKAAS</p> <p>STSSGSHSSHKRKNRHSPPSGMFDYDFEIDLKLNKKPRADY</p>
6388	1	662	<p>PGPTHASADAWADAWAQPNMAMHKAAPPQIPDTRRELAEVLKR</p> <p>KQELAETLANLERQIYAFEGSYLEDQMYGNIIRGWDRYLTNQK</p> <p>NSNSKNDRNRKFKKAERLFSKSSVTSAAAVSALAGVQDQLIEK</p> <p>RRPGSGTESDTSDFHNQENEPSQEDPEDLDGVSQGVKPKAAS</p> <p>STSSGSHSSHKRKNRHSPPSGMFDYDFEIDLKLNKKPRADY</p>
6389	1074	497	<p>AEPGDRMAGHRLVLVLGLDHLPHRCNSLPKPKKLLVPGKIQHI</p> <p>LCTGNLCTKESYDYLKTLACDVHIVRGDFDENLNPBQKVVTVG</p> <p>QFKIGLIHGQVPIPWGDMASLALQRPDVIDIISGHTHKFPAF</p> <p>EHENKFYINPGSATGAYNALETNIIPSFVLMDIQASTVVTYVYQ</p> <p>LIGDDVKVERIEYKPK</p>
6390	158	535	<p>GEERKEGRAPGKAFAPERNPAKMEKEKTTRELLLPNWQSGSGH</p> <p>LTTAQRDDGVFVQEVTONSPAARTGVVKEGDQIVGATIIYFDNLQ</p> <p>SGRVTQLLNTMGHHTVGLKLHRKGRFPFSLGQTWDP</p>
6391	5386	2897	<p>VRWNSKTECYLSIQTQENFPANLBNELVNCIVISSLVTTQRKLKA</p> <p>MSLLGSRNQLARAVLNPNMDFCTKDLLTTTERRIAYLRDFNE</p> <p>DQKKAIEAYAMVKHSPSVAKICLIHGPPGTGSKTIVGLLYRL</p>

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			LTENQRKGHSDENSNAKIKQNRVLVCAPSNAAVDELMKKIILEF KECKDKKNPLGNCGDINLVRLGPEKINSSEVLKFSLDSQVNRH MKKELPSHVQAMHKKKEFLDYQLDELRSQRALCRGGREIQORQL DENISKVSKERQELASKIKKQVGRPOKTQSIILLESIIICCTLS TSGGLLLESAFRGQGGVPFSCVIVDEAGQSCEIETLTPLIHRCN KLILVGDPKQLPPTVISMKQAQYGYDQSMARFCRLLEENVEHN MISRLPILQLTVQYRMHPDILCFPSNYVYNRLKTNRQTEAIRC SSDWFPQPYLVFDVGDGSERRDNDSYINVQEIKLVMETIKLIK KRKDVSPFNIGIITHYKAQKIMIQKDLDBFDRKGPAEVDITVDA FQGRQKDCVIVTCVRANSIQSGIFLASIQRLNVTTIRAKYSLF ILGHLRTLMENQHNQLIQDAQKRGAIKTCDKNYRHDVAKILK LKPVLQRLSLTHPPTIAPEGSRPQGGPSSKLDGSGFAKTSVAASL YHTPSDSKEITLTVTSKDPERPPVHDQLQDPRLLKRMGIEVKG IFLWDPQSSPOHPGATPTGEPGFVHVQDLSHVQQPAAVVA LSHKKPPVRGPPAASPEASTCQSKCDDPEBELCHREARAFSE GRQEKCGSETHTRRNSRNDKRTLEQEDSSSKKRKLL
6392	972	186	GRIGVDLASSMAHRLQIRLLTWDVKOTLLRLRHLGRAYATKAR AHGLEVEPSALEQGFQAYRAQSHSFPNYGLSHGLTSRQWLDV VLQTFHLAGVQDAQAVPIAEQLYKDFSPCTQVLDGAEDTLR ECRTGRRLAVISNFDRLLEGILGGLGLRHPDFVLTSEAAGWP KPDPRIPQEARLRAHMEPVVAHVGDNYLCDYQGPRAVGMHSFL VVGQALDPVVRDSVPKEHILPSLAHLPLALDCLEGSTTGL
6393	2017	730	TGGSKMAAVATCGSVAASTGSAVATASKSNVTSFQRRGPRASVT NDSGPRLVSIAGTRPSVRNGQLLVSTGLPALDQLGGGLAVGT LLIEEDKYNIIYSPLLFKYFLAEGIVNGHTLLVASAKEDPANILQ ELPAPLDDCKCKEFDDEVNHNKTPESNIKMKIAWRYQLLPKME IGPVSSSRFGHYVDASKRMPQELIEASNWHGPFLEPKISSTLKV EPCSLTPGYTKLLQFIQNIIVREGFDGSNPFQKQORNILRIGIQN LGSPLWDDICCAENGGNSHSLTKFLYVLRGLLRSTLSACITM PTHLIQNKAILARVTTLSDDVVGLSEFIGSERETNPLYKDYHGL IHRQIPRLNNLICDESDVKDLAFKLKRKLFTIERLHLPPDLSD TVSRSSKMDLAESAKRLGPGCGMMAGGKHLDF
6394	1418	511	GAAGGEGARRRPAAMATVMAATAERAVLEBEPRWLLHDEVHA VLKQLQDILKEASLRFTLPGSGTEGPAKQENFILGSCGTDQVRG VLTLOGDALSQADVNLKMPRNNQLLHFAFERDKQWKLQIQDAR NHVSQAIYLLTSRDQSYQFKTGAEBVLKMDAVMLQLTRARNRLT TPATLTLPEIAASGLTRMFAPALPSDLLVNVYINLNKCLTVYQ LHALQPNSTKNFRPAGGAVLHSPGAMFEWGSORLEVSHVKVEC VIPWLNDAVLYFTVSLQCLQKDKISVFSSYWSYRPF
6395	13	658	PSGRPTRPLCCAARRGAARHGGSVSGWPAGRTPPTETSNPGSSVM ESVTFEDVAVEFIQEWALLDSARRSLCKYRMLDQCRTLASRGTP PCKPSCVSQLGQRAEPKATERGILRATGVAVESQLKPEELPSMQ DLLEASSRDMQMGPGLEFLRMQLVPSIBERETPLTREDRPAQES PPWSLGCTGLKAAMQIQRVVIPPVTLGHRNPWVARDSGE
6396	1	1221	ANILSSPSKRQKGTLLIGYSEPTFLYNFMGDAFQHSQSIPRF IKESLKQILBESDSRQIFYFLCLNLLFTFVELFYGLVLTNSIGLI SDGFHMLPDCSALVMGLFAALMSRWKATRIFSYGYGRIETLSGF INGLFLIVIAFFVFMESVARLIDPELDTHMLTPVSVGGLIVNL IGICAFSHASHAHGASQGSCHSSDHSHSHMHGSHDHGHGSH GSAGGMNANMRGVFLHVLADTLGSGIVIVSTVLIEQFGWFIAD PLCSLFIAILIFLSVVPLIKDACQVLLRLPPEYEKELHIALEK IQKIEGLISYRDPHFWRHSASIVAGTIHIQVTSVDLEQRIVQV TGILKADAGVNNLTIQVEKEAYFQHMSSGLSTGTFHDVLAMTKQMES MKYCKDGTIIM
6397	391	122	GAGGVGRFEAIRAPARMIEVVCNDRIGKKVRVKCNTDDTIGDLK KLIAAQGTNRNKKIVLKKWYTFKDHVSLGDYIEHDGMNLELYY

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6398	353	1306	HRQMGELINRCKKILLPTTVPATMRIWLLGGLLPFLLLSGLQ RPTGSEVAIKIDPDPAPGSFDDQYQGCSSQVMEKLTQGDYFTK DIEAQKNYFRMWQKAHLAWLNQKVL PONMTTTHAVAILFTTLN SNVHSDFTRAMASVARTPQQYRSPHPKYLHYLTSAIQLLRKD SIMENGTLCEVHYRTKDVHFNAYTGATIRFGQFLSTSLKSEA QEPGNQTLPTIPTCLGAPVQYFSLKKEVLIPPYELFKVINMSYH PRGDWLQLRSTGNLSTYNCQLLKASSKCCIPDPIALASLSPLTS VIIIFSKSRV
6399	75	1245	PNLETYFGRRCEKDSMNFTPTHTPVCKRRTVVSXRGVAVSGPTK RRGMADSLSTPLPSPEDRLAKLHPSKELLEYQKKMARCEAEN EDLLKLELYKEACEGQHKLECDLQOREEBIABLQKALSDMQVC LFQEREHLRLYSENDRLRIRLEDKKIKQNLALVGTADAGEVT YFCKEPPIHKVTILQKTIQAVGCEQSESSAFKADPKLSKRRPSR ERKESSEHYQRDIQTLLQVEALQAQIGEQTKLSREQIEGLIED RRIHLEETIQVQHQRNQNKKIKELTKNLHHTQELLYESTKDFLQLR SENQNKESWMLKEDNLSKIKQYRVQCKKEDKIGKVLPMVHE SHHAQSEYIKVMSLCRNEVVYFSGRVEGIPKQLQFVM
6400	2520	1053	KIMKCEDEVYEVQSAILRHNCGYAMTKGKFFHNLMERKDFETWL DNISVTFSLTDLQKNETLDHILISLSOAVQLRHLSNNLETLLKR DPLKLLPLELSFYLLKWLDPQTLLTCLVSKQWNVISACTEVW QTACKNLGNQIDDSVQDALHWKVVYLKAILRMKQLEDHEAFETS SLIGH SARVYALYYKDGLLCTGSDDL SAKLWDVSTGQCVCYGIQT HTCAAVKFDEQKLVGTGSFNTVACWESSGARTQHFRGHTGAVF SVDYNDELDIIVSGSADFTVKVWALSAGTCLNTLTGHTWVTKV VLQCKVKSLHSPGDYILL SAKYKIKIWPIGREINCKCLKTL SVSEORSICLQPRHFDGKYIVCSSALGLYQWDFASYDILRVIK TPEIANLALLGPGDI FALLPDRYLYIMDLRTSLISRWLPPEY RKS KRGS SFLAGEASWNLGLDGHNDTGLVFATSMFDSHSHLVW KEHG
6401	109	766	PGAANSR PDLRGCTGPPQALRMLVLPSPCPQPLAFSSVETMEG PPRRTCSRPEPGPSSSIGSPQASSPPRNHYLLIDTQGVPTVL VDEESQREPGASGAPGQKKCYSCPVC SRVFYMSYLQRHSITHS EVKPFECDCGKAFKRASHLARHSHIHLAGGGRPHGCPLCPRRF RDAGBLAQHSRVHSGERPQCPCPRRFMEQNTLQKHTRWKHP
6402	1196	279	TTSQCGGIRQSSAIPVASMFAATCLRNALLLPKQQDPKQRN GAKNSNQLGNTESSESSETCSSKSHDGDKFTIPAPSSPLRKQE LENLKCSILACSAVALALGDNLMALNHADKLLQPKLSGSLKF LGHLYAABALISLDRISDAITHLNPENVTDVSLGISSENEQDQS DKGENEAMESSGKRAPQCYPSVNSARTVMLFNLGSAYCLRSEY DKARKCLHQASMIHPKEVPPRAILLAVYLELQNGNTQLALQII KRNQLLPVAKTHSEVRKRPVFPVHPIQPIQMPAFTTVQRK
6403	2	1690	RGIHTSVLQGNLQNMYSHNVMNINNLNLTOVQORNLTINLQ RSVDDTSQAIQRIKNDPQNLQVFLQAKKDTDWLKEKVSILQTL AANNSALAKANNDTLEDNNSQLNSFTGQMENTTISQANEQNLK DLQDLHKDAENRTAIKPNQLEERFQLFETDIVNIISNISTAHH LRLTSLNLEVRTCTDTLTKHTDDLTSLNNTLANIRLDSVSLR MQQDLMSRLDTEVANLSVIMREMKLVD SKHGQLIRNFTILQGP PGPRGPRGDRGSGQPGPTGNKGQKGEKGEPPGPAGERGPIG PAGPPGERGGKSGSGSGPKGSRGSPGKPGPGPGSGDPGPPGP GKEGLPGPGPGPGFQGLQGTVGEPGVPGPRCLPGLPGVPGMPCP KGPPPGPPGSGAVPLALQNEPTAPEDNSCPPHWNFTDKCY FSVEKKIFEDAKLFCEDKSSHLVFINTRBQQWIKQMVGRESH WIGLTDSERENKWL DGTSPDYKNWKAGQPDNWHGHGPGEDC AGLIYAGQWDFQCEDVNNFICEKDRBTVLSSAL
6404	1012	222	AAALAMAPAPGLISVFSSSQBLQAALQALVAQRAACCLAGARA

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			RFALGLSGSLVSMLELPAAPVAPAGPASLARWTLGFCDERLV PFDHAESTYGLYRTHLLSRLPIPEQVITINPELPVEEAARDYA KKLRQAFQGDGIPVFDLLILGVGPDGHTCSLFPDHPILQEREKI VAPISDSPKPPPPQVRVTLTLFVLNAARTVIFVATGEGKAVALKRI LEDQENPLPAALVQPHGTGKLCWFLDEAARLLTVPPFEKHSPL
6405	1	1456	AALPRPTPRAPLQREGTGSDEMAASMFGRLVAVATLRNHRPR TAQRAAAQVLGSSGLFNHGLQVQQQQRNLSLHETMSMELLQE AGVSVPKGYVAKSPDEAYALAKKLGSKDVVIAQVLAGGRCKGT FESGLKGGVKIVFSPREAKAVSSQMIGKKLFTKQTGEKGRICNQ VLVCERKYPREYYPALTMSRFPQGPVLIGSSHGGVNIEDVAE TPEATIKEPIDIEEGIKKEQALQLAKMGFPPNIVBSAAENMVK LYSLFLKYDATMIBINPMVEDSDGAVLCMDAKINFDNSAYRQK KIPDLQDWTQEDERDKOAAKANLNYIGLDGNIGCLVNGAGLAMA TMDIKLHGGTPANFLDVGGAATVHQVTEAFKLITSDKKVLAIL VNIFGGIMRCDVIAQGIWMAVKDLEIKIPVVVRLQGRVDDAKA LIADSGLKILACDDLEAARMVVKLSIIVTLAKQAHVDVKFQLP I
6406	1036	167	HPRQMRGEDTPEAPPYSSGRYDSIKTEVSGCPEDLTVGRAPTAD DDDDDDHDDHEDNDKMDSEGMDPERLKAPNMFVRLFVDENLDRM VPISKQPKKIQAIIRSCSRQPFEPQERARKRIRTYLKSCHRMK KNGMEMTRPTPPLHSAMAENILAAACESETRKAARKMRLEIYQ SSQDEPIALDKQHSRDSAAITHSTYSLPASSYSQDPVYANGGLN YSYRGYGALSSNLQPPASLQTNHNGESGEARALASRPAPSWV CRAALSGMGRGKQRPVMERGCLTA
6407	492	150	VGLCLAVSQTVLAQLDALLVFPQQAQLSCTLSPOHVTIRDYGV SWYQORAGSAPRYLLYRSEEDHHRPADIPDRFSAKDEAHNAC VLTISVPQPEDDADYYCSVGYGFSP
6408	1458	903	RGCTSSQAWRLFGGVTRGFNMRIKCYFCSGPIYPGHGMFVR NDCKVFRFCCKSKCHKNPKKKRNPRKVRWTKAFKKAAGKELTVDN SFBEPKRRNEPIKYQRELWNKTIDAMKRVBEIKQKQAKFIMNR LKKNKELQKVQDIKEVKQNIHLIRAPLAGKQQLREKMWQQLQE DVMEDAP
6409	150	446	NTALANLLRCFTCDRLCGGCTAPAPPAHQGIVLQPVMPSCDPGP GPACLPKTKTFRSYLPCHRTYSVCHRAHLAKHDELISKSFQGS HGRAYLNSV
6410	85	607	RGGTAGCVACLGCWQSSSPKAAPFAGSACLPADESCPCLLFQAC AISGLFNCITIHPLNIAAGVMMINAFILLCEAPFCQFIEFA NTVAEKVDRLRSWQKAVEYCGMAVVPVIVISLTLTLGNAIAPA TGVLVGLSALCKKGDASISYARIQQQRQADEBKLAETLBOEL
6411	302	772	RLSIMASSLNEDEGSRTITYVKGDLFACPKTDSLACISEDCRM GAGIAVLFFKKKPGGVQELLNQKKSGEVAVLKRDGRYIYYLITK KRASHKPTYENLQKSLBAMKSHCLNGVTDLSMPRIGCGLDRLQ WENVSAMIEEVFEATDIKITVYTL
6412	61	1709	RPVTSFSPPLPGSCGRLGTRTMLGRSLREVSAAALKQCGITPTTEL CQKCLSLIKTKFLNAYITVSEVALKQAESEKRYKNGQSLGD LDGIPIAVKONFSTSGIETTCSANMLKGYIPPNATVVQKLLDQ GALLMGRTNLDBFAMGSGSTDGVPFPVKNPNSYSKYREKQKQ PHSENEEDSWLITGGSSGGSAAVSAFTCYAALGSDTGGSTRNP AAHCGLVGFKPSYGLVSRHGLIPLVNSMDVPGILTRCVDAAIV LGALAGPDPDRDSTTVHEPIKPFMLPSLADVSKLCIGIPKEYLV PELSSEVQSLMSKAADLFSEGAKEVIEVSLPHTSYSIVCYHVL TSEVASNMARFDGLQYGHRCIDVSTEAMYAATREGEFNDVVRG RILSGNFPLKENYENYFVKAQKVRRLIANDFVNANFNSGVDVLL TPTTLSEAVPYLEFIKEDNRTRSAQDDIFTQAVNMAGLPAVSI VALSNQGLPIGLQFIGRAFCDQQLLTVAKWFEKQVQPPVIOQLQE LMDDCSAVLENBKLASVSLKQ

[illegible]

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6421	1844	362	FAPMYGGFPVKLRTYLGDPFIPYDPQITAEELAEKTKNAVQALID KHQRIPGNIMSALLERFH WALSLRRQPERMSNKLSPHPSVVLRSSEFKMASSPAVLRSRL YQWLSLKSSAQFLGSPQLRQVGQIIRVPRMAATLILEPAGRCW DEPVRIAVRGLAPEQPVTLRASLRDEKGALEFQAHARYRADTIGE LDLEAPALGGSFAGLEPMGLLWALEPEKPLVRLVKRDVRLPLA VELEVLGDHDPDPGRLLCQTRHERYFLPPGVRRBFVRVGRVGRST LFLPEPEPGPPGIVDMFGTGGGLLEYRASLLAGKGFVAMALAY NYEDLPKTMETLHLLEYFERAMNYLLSHPEVKGGVGLLGISKGG ELCLSMASFLKGITAAVINGSVANVGGLTRYKGETLPPVGVNR NRIKVTKDGYADIVDLNSPLEGPDQKSFIPVERAESTFLFLVG QDDHNNKSEFYANBACKRLQAHGRRKPKIICYPETGHIYEPPYF PLCRASLHALVGSPIIWGGEPRAHAMAQVDANKQLQTFPHKHLG GREGTIPSKV
6422	181	2133	EGENLSWFQEFWDIAKEFYWKTPCPGPFLERYNFDVTKGKIFIE WMKGATINI CYNVLDNRVHEKLGDKVAFYWEQNEPGETTQITY HQLLVQVCQPSNVLRKQGIHKGDRVAIYMPIMPELVVAMLACAR IGAHLSIVFAGFSSSLCERILDSCLLITTDIFYRGEKLVNL KELADEALQCKQEKGFPPVRCIIVVHKLGRABLGMGDSSTQSPPI KRSCPDVQISWNGIDLNWHELMQEAGDECEPENCDAEDPLFIL YTSGSTGKPKGVVHTVGGYMLYVATTFKYVPDFHAEVDFWCTAD IGWITGHSYVTYGPIANGATSVLFGIPTYPDVNLWSIVDKYK VTKFYTAFTAIRLLMKFGDEPVTKHSRASLQVLGTVEGPINPEA WLWYHRVVGARCPVDTFWQETGCHMLTPLPGATPMKPGSAT PPFPGVAPAILNESGEELGEAEGLVFKQFPWPGIMRTVYGNHE RPEFTYFKKPGGYVTDGCGQRDQGYWITGRIDDMNVSGHL LSTAEEVSALVEHEAFAAFAVGHHPVKGECLYCFVTLCDGHT FSPKLTBELKKQIREKIGPIATPDYIQNAPGLPKTRSGKIMRRV LRKTAQNDHDLGDMSTVADPSVISHLPSHRCLEITQ
6423	614	1237	ANLKEIPRDLPPETVLLYLDNSQITSIPTNEIFKDLHQLRVLNLS KNGIEFIDHAFKGVATLQTLDSNRISVHKNAFNNLKARA RIANNPWCHDCTLQQLRSMASSHETAHNVI CKTSVLDEHAGRP FLNAANDADLCNLPKKTTDYAMLVTMFCWFTMVISYVYVYVRQN QEDARRHLEYLKSLSRQKKADEPDDISTVV
6424	1	1188	KKVSWPVAAMVHCSCVLFRKYGNFIDKLRLKTRGGSGCMGYPR LGGEGGKGDVWVVAHNMTLKQLKDRYPRKRFVAGVGANSKISA LKSGSKGDWBI PVPVGISVTDENGKI IGEINKEKNDRI LVAQGGL GGKLLTNFLPLKGQKRIIHLDLKLIADVGLVGFNPAGKSSLLSC VSHAKPATADYAFITLKPGLGKIMYSDFKQISVADLPGLIEGAH MNKGMGHKPLKHIERTROLFFVVDISGFQLSSHTQYRTAFETII LLTKRLRLYKEELQTKPALLAVNKMDLPDAQDKFHLMSQLQNP KDFLHLFEKNMIPERTVEFOHIIPIISAVTGEGIEELKNCIRKSL DBQANQENDALHKKQLNLNLSIDTMSSTEPPSKHAVITTKMDII
6425	1850	1144	LAMEGGGGIPLKTLKESQSRHVLPAFSEVNSLQKSNWGFLLTG LVGGTLVAVYAVATPFVTPALRKVCLPFVDPATMKQIENVVKMLR CRRGSLVDIGSDGRIVIAAAKGFATVGYELNPLWVYSRYRA WRBGVHGSAGFYISDLWKVTFQYSNVVIFGVPMMLQLEKKLE RELEDDARVIACRFPPPHWTPDHVTGEGIDTVWAYDASTPFGRE KRPCSTSMHFQLPIQA
6426	30	565	SRGAAVGGMVSAGGEIRGDTGGEDTAAPGRFSFSPEPTLEDIRR LHAEFAERDWRQFHPQPRNLLLALVGEVGLAELFQNKTDGEPG PQGWSPREAALQEELSDVLIYLVALAARCRVDLPLAVLSKMDI NRRRYPAHLARSSSRKYTELPHGAISEDQAVGPADIPCDSTGQT ST
6427	145	959	AASWGPPIHVPKAGKMSNMICRLVVLVFGMLCPAYASYKAVKTK NIREYVRHMMYIIVFALFMAAEIVTDIFISWFPFYIEIKMAFVL

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			WLLSPYTKGASLLYRKFFVHPSLSRHEKEIDAYIVQAKERSYETVLSFGKRGILNIAASAAVQAATKSGQALAGRLRSFSMQDLRSISDAPAPAYHDPLYLEDQVSHRRPPIGYRAGGLQSDTEDECNWSDTEA VPRAPARPREKPLIRSQLRVVVRKPPVREBGTSRSLKVRTRKKT VPSDVDS
6428	1982	444	SGSGGKMEDHQHPVIDIQTSKLLDVLVDRRHCSLKWQSLVLTIR EKINAATQDMPESRELAQLLSGSIYHYFHCRLILDLLKGTAST KNIPGRYSSQRMKDQWEI IALYBKDNTYLVLSLLVRNVNVEI PSLKKQIAKCCQLQQBYSRKEBECQAGAEMREQFYHSCQYGI TGENVRGELLALVKDLPSQLAEIGAAAQQSLGEAIDVYQASVGF VCESPTREQVLPMLRFVQKRGNSTVYEWRTGTEPSVVERPHLEEL PEQVAEDAIDWGDGFGVAVSEGTDGSGISAEAGIDWGFPPESDS KDPGGDIDWGDDAVALQITVLEAGTQAPGVARGPDALTILEY TETRNQPLDELMELEIFLAQRAVELSEADVLVSQFQLAPAIL QGQTKKMTVMVSVLEDLIGKLSLQLOHLMILASPRYVDRVT EFLQQLKQSQLLALKKKLMVQKQKQALBEQAALPEKLDLLEK TKELQKLLEADISKRYSGRPVNLMTSL
6429	3413	3442	EPSSWTAAPRCPLAAHPLEAAVQEDDRRLSPDSRIKVPANGTL VVKSVTDKADGDLVCVARNKVGDDYVVLKVDVVMKPAKIEHKEE NDHKVYFGGDLKVDCAVATGLPNEIISNSLPDGLVNSFMQSDDS GGRTKRYVVFNNGTLYFNEVGMREBEGDYTCFAENQVKGDEMVRV VKVVTAPATIRNKTCLAVQVPYGDVVTVACEAKGEMPKVTNLS PTNKVIPSSEKYQIYQDGTLLIQAKQRSDSGNYTCLVRNSAGE DRKTVWIHNVQPPKINGPNPITTVREIAAGSGSRKLIDCKAEG IPTPRVLWAFPEGVVLPAFYGNRITVHNGSLDIRSLKSDSV QLVCMARNEGCEARLIVQLTVLEPMKPIFHDPISEKITAMAGH TISLNCBAAGTPTPSLVVWLPNGTDLQSGQLQRFYHKADGMLH ISGLSSVDAGAYRCVARNAAGHTERLVSLKVGLKPEANKQYHNL VSIINGETLKLCTPPGAGQGRFSWTLPMGMHLEGPQTLGRVSL LDNGTLTVREASVFDRTGYVCRMETEYGPSVTSIPVIVLAYPPR ITSEPTPVITYTRPGNTVRLNCMAMGIPKADITWELPDKSHLKAG VQARLYGNRPLHPQGSLLTIQHATQDAGFYKCMKNILGSDSKT TYIHVF
6430	1946	602	RTRVSTGLRRTLLWSEAVGASSTRGDTGIPCSGEGGAGPGGEGG AMLEAMAEPSPEDPPPTLKEPETQPPKRRRTIEDFNKFCSEVLA YAGYIPPSKEESDWPASGSSSPLRGESAADSDGWDSAPSDLRTI QTFVKKAKSSKRRAAQAGPTQPGPPRSTFSRLQAPDSATLLEKM KLKDSLFDLDGPKVASPLSPTSLTHTSRPPAALTVPVLSQGDLS HPPRKKDKRKNKLGPGAGAGFVLRPRPTPGDGEKRSRIKSK KRKLKKAERGDRLLPPGPPQAPPSTDSEEEEEEEEEEEEMEMA TVVGGGAPVPVLPPTPEAPRPATVHPEGVPPADSESEKEVGSTE TSQDGDASSSEGEEMRVMDIEDIMVESGDDSWDLITCYCRKPFAGR PMIECSLCGTWIHLSCAKIKKTNVDPFFYCQCKCKELKPEARRLG GPPKSGEP
6431	3	605	WNSSYNLPAYAPYLPCACAMQDGRKGGAYAGKMEATTAGVGR LEEALRRKRLKALREKTGRKDEGEDPKTKHLREEEEBEGEKH RELRLRNYVPEDDLKKRRVPQAKPVAVEKVKQELEAAKPEPV IEEVDLANLAPRKPDWDLKRDVAKKLEKLRRTQRAIAELIRER LKGQEDSLASAVDAATEQKTCDS
6432	56	1692	GGLGTMSRIKQNPETTFEVYVEVAYPRTGGTSLSDPEVQRQFPE DYSQDEVLQTLTKFCFFPYVDSLTVSQVGNFTFVLTIDISKQR FGFCRLSSGAKSCFCILSYLPWFVEFYKLLNIALDYTTKRQENQ WNELLETLHLKLPIDDPGVSVHLSVHSYFTVPDTRELPSPENRN LTFYFVAVDVNNMLHLYASMLYERRILICSKSLTITACIHGSA AMLYPMYQHVYIIPVLPFHLLDYCCAPMPYLIHLSLMEKVRN MALDDVVILNVDNTLTETPPDDLQSLPNDVISSLKNRLKKVSTT

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			TG DGVARAF LK AQA A FFGSYRNAL KIEP EEPITFCERAFVSHYR SGAMRQFIQNA TQLQ LFKQFIDGR LLDLNSGEGFSDVFEE EENM GBYAGSDKLYHQWLSTVRKGS GAILNTVKTRANPAMKTVYKFDI AENGCAPTPEEQ LPKTAPSLVRAKDPKLRDRRPITVHFCQVR PPRPHVVKRPKSNIAVEGRRTSVSP EQNTIATPATLHLQKSI TFPAAKEPTTRGWTSSSH
6433	1524	484	APVTKRKEVFAKDSKGSALDAGRDPKRPALPETLCESGWASNTA PTTPPQEGWCLCGKDFKSSCQTPGREKERRLATMHGSCSFLMLI LP LLLL LVATTGPVGALTD EKR L MVELHNLVRAQVSPTASDML HMRWDEELAAFAKAYARQC VWHNKRGRGENLFAITDEGMDV PLAMEEWHHREHYNLSAATCSPGQMC GHYTQV VWA KTERIGCG SHFCEKI QGVETNIELLV CN YEP PGNVKGRPYQEGT PCSQCP SGYHCKNSLCBPIGSPDAQDLPLYLVEAPSFRATEASDSRKM AEGDPKPSVSVGLNSGPGHVWGPLLGLLLPLVLVLAGIF
6434	40	2002	MPQLNFGMADPTQMGGLSMLLLAGEHALGTPEVFSGTCTCPDVSE SPELRQKSPLEFQFARISSTSSHSDASTKQQTSALEFQFARISSN TSQLGGAEPVKRCGKSALFQLAEMCLASEGKMEESKLIAKES DGGRIKLEKGEKEKELKMECTDRTRIQKEAFFEKSAKENLRDS KELRNFEALQIDDIMALKMEDPKIRKEELEEDHKCSHFDPFSY SASSKIIISDVPSRKDHMCHPHGIMILEDPAALNKPEKLKKKK KSKMDRHGNDKSTPKKTCCKRQSSBSDI ES VYTTIEAVAGDWG IEKLGDTFRKKVRTSSSGKGSILDAKPPKKVKSRKKMSKEKS SDTTKESRPPDFISISASKNISGETPEGIKAEPLTPMEDALPPS LSGQAKPEDSDCHRKIETCGSRKSEKSCGALYKTLVSEGMLTS LRANVDRGRSSSGKGNSSDHEGCWNEESWTFSSQSGTSGSKPKK TKPKRDCLLGSARKLDEEFKKFNSLPQYSPVTFDRKCVVPVRKK KKTGNVSSEPTKTSKSGDKWSNKQLFLDAIHPTAEI PSED RNT MEPVHKVKNIPSI FNTPEPTTARTFGGQPKESKENPDYSPCQ DTQRAGYHHEEVLWMTNLMNCGGVYLLQLRHTAMTNA
6435	2227	657	ALQDRAAAYAHPEYEEFLEQERTVSQQINSIELLQTRPLALPE VVKSRPLQRQVHLRGRPASQPTVIRGITYYKAKVSEENDIBE QQDEFFSGDNGVDLLIEDQLLRHNGMLTSVTRRPAATRQGHSTA VTDNLNARTAPWSSALPQPTSDPSIANHASVCGFTLQTTSSVSD PTRKSVLQSPQVPATTVAHTATQQAAPAPPAVSPREALMBAM HTVPVPPTTVRTSLGKDAPAGRGTTASPTLSPEBEDDIRNVI GRCKDTLSTITGPTTQNTYGRNEGAWMKDPLAKDERIYVINY GNTLVBFERNLENPKQGRWNSYKLPYSWIGTGHVVYNGAFYYNR AFTRNIIKYDLKQRYVAWAHLHDVAYEATPWRWQGHSDVDFE VDENGLWLIYPALDDEGFSQEVIVLSKLNADLSTQKETTWRG LRNFYGNCFVICGVLYAVDSYNQRNANISYAFDTHNTQIVPR LLPENBYFTTQIDYNPKDRLLYAWDNGBQVTHVIFAY
6436	1295	341	GACRPPVRQDPDSGPDYEALPAGATVTTMVA GAVAGILEHCV YPIDCVKTRMOSLQDPDAARYRNVL EALWRIIRTEGLWRPMRGL NVTATGAGPAHALYPACYEKLKKTLSDVHPCGNSHIANGAAGC VATLLHDAAMNPAEVVKQRMQMYNSPYHRVTD CVRAVWQNEGAG AFYRSYTTQLTMNVFQAIHFMTYEF LQEHFNPPORRYNPSSHL SGACAGAVAAAATPLDVCKTLLNTQKSI ALNSHITGHITGMAS AFRTVYQVGGVTAYFRGVQARVIYQIPSTAI AWSVYEFKYLI TKQEWRAGK
6437	1828	360	PPAPAPASPARHVTRTARGHLEGGSRAPPLQAVFLQIKNMVK LIHTLADHGDDVNCCAFSFSLLATCSLDKTI RLYSLRDPTELPH SPLKFHTYAVHCCCFSPSGHILASCSTDGTITVLWNTENGQMLAV MEQPSGSPVRVCQFSPDSTCLASGAADGTVVLWNAQSYKLYRCG SVKDGSLAACAFSPNGSFFVTGSSCGDLTVWDDKMRCLSEKAH DLGITCCDFSSQPVSDGEQGLQFFRLASCGQDCQVKIIVSPTH ILGELKYKSTLSGHCAEVLACAPSHDQMLVSGSVDKSVIVVD

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			TNTENILHTLTQHTRYVTTCAFPNTLLLATGSMKDTVNIWQFD LETLQARSTEHQLKQFTEDWSEEDVSTWLCADLDLVLGIFKM NNIDGKELLNLTKESSLADDLKIESLGLRSKVLRLKIEELRTKVK LSSGIPDEPICPITRELMKDFVIASDGYSYKEAMENWPAKRN RTSPP
6438	109	901	EVQILRAKMFQGGGLIVFYGLLAQTMAQFGGLPVPLDQTLPLNV NPALPLSPGTGLAGSLTNALSNGLSGGLGILENLPLDLILKFG GGTSGGLLGGLLKVTSVIPGLNNIIDIKVTDPLLELGLVQSP DGHRLYVTIPLGILQVNTPLVGASLLRLAVKLDITAEILAVRD KQERIHVLGDCETHSPGSLQISLLDGLPLPIQGLLDSLTGILN KVLPELVQGNVCLVNEVLRGLDITLVHDIVNMLIHGLQFVIVK SIQTASAITTEMASQSGGIQQLQAEKRAAEKVADARKKRRL KQAKBEAQMKEVQYRREREHEFQSKQQAAMSGGNLSAEVQAT RRQVQGMQSSQQRNRKRVLAQLLGMVCDVRPQVHPNYRISA RARWNSDMGDLPLGLVRLSIALRIQPNDDGVPVYKVDGQRFQNR IKLLTGSSYKVEVKIKPSTLQVENISIGCVLVPLELKSKEPDGD RVVYTGTVDTGVTPTKSGERQPIQITMPPTDIGTFETVWQVKF VNYHKRDHCQWGSPPSVIEYECKPNETRSLMWNKESFL
6439	23	412	
6440	3	517	
6441	234	1373	KSGGLRRRQRPGRSAAVGSEELPPGMEKFKAAMLTGSVGDALGY RNVCKENSTVGMIQEBELQSSGGLDHLVLSPEWVPSDNTIMHI ATABALTTDYWCLDDLYREMVRVYVEIVEKLPERRPDPAIEGC AQLKPNNYLLAWHTPFNEKSGSGGAATKAMCIGLYWKPERLET LIEVSVRCGRMTHNHTPTGLSGLCTALFVSFAAQGKPLVQWGRD MLRAVPLAEYCRKTIIRHTAEYQEHWFYFEAKWQFYLEERKISK DSENKAI FPDNYDAEBREKTYRKWSSEGRGRRGHDAPIAYDA LLAGNSWTELCHRAMFHGQESAATGTIAGCLPGLLYGLDLVFK GLYQDLEDKEKLEDLGAALYRLSTEEK
6442	34	796	AEDPAGGLAGQDTMFARGLKRKCVGHEEDVEGALAGLKTVSSYS LQRSLLDMSLVKLQICHMLVEPNLCRSVLIAVTRQIQEEMTQ DGTWRTVAPQAERAFLDRLVSTELCRAANGQEGAHFASGLGD GHTQGPVSDLCPVTSQAAPRHQSSAWMDGPRENRGSFHKSLD QIFETLETKNPSCMEELFSDVDSPYYDLDTVLTMGMGGARPGPC BGLBGLAPATPGPSSCKSDLGELDHVVEILVET
6443	2	555	MASPAASSVRPPRPKKEPQTLVIPKNAABEQKLLERLMKNPDK AVPIPEKMSENAPRPPEFVRDVMSSAGSGEFHVYRHLRR FYORQDYMAMARKOKLDAEFQKRLKRNKIAABEQTAKRKKRQ KLKSKKLLAKKMKLEQKKQEGPGQPKQGGSSSSAEASGTEEBEE VPSFTMGR
6444	390	899	GSTPRGKMRAPPEPKPGDLIEIFRPFYRHWAITYVGDYVHILA PPSEVAGAGAASVMSALTDKAI VKKELLYDVAGSDKYQVNNKHD DKYSP LPCSKI IQRAEELVGQEVLYKLTSENCHEFVNELRYGVA RSDQVRDVI IASVAGMGLAAMSLIGVMFSRNKRQKQ
6445	2	753	AGAAGAAGAARSPPRQAHTKGVRGLPSRRRSPDCGRMELAAGSF SEEQFWACARLQPPALAGADWQLLVETSGISITYRLDKKTGLY EYKVFGLVEDCSPTLLADIYMSDYRKQWDQYVKELYEQECNGE TVVYWEVKYPPMSNRDYVYLQRRLDMBGRKIHVILARSTSM PQLGERSGVIRVKYQKSLAIESDGKKGSVFMYYFDMPGGQIP SWLINWAAKNGVNFLLDMARACQNYLKKT
6446	1	1651	RCPTRSPPPDTPGSRGTTAMCSLASGATGGRGAVENEDLPELS DSGDAAWEDEDDADLPHCKQQTPLCFNRLFTSAEETFSHCKS EHQFNIDSMVHKHGLEFYGYIKLINFIRLKNPTVEYMNSIYNPV PWEKEEYLPVLEDDLLQFDVEDLYEPVSVFPFYPNGLSENTS VVEKLKHEARALSAAALARAREDLQKMKQFAQDFVMHTDVRT CSSSTSVIADLQEDDGVYFSSYGHYGIHEMLDKKIRTESYRD FIYNPHIFKDKVVLVDVGCSTGLSMFAAKAGAKKVLVDQSEI

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			LYQAMDIIRLNKLEDTITLIKGIKIERVHLPEKVDVVIISWMGY FLLFESMLDSVLYAKNKYLAKGGSVYPDICTISLVAVSDVNKHA DRIAFWDDVYGFIMSCMKKAVIPEAVVEVLDPKTLISEPCGKIH IDCHTTSISDLFSSDFTLKITRTSMCTAIAGYFDIYPERNCHN RVVFSTGPGSTKTHWKQTVFLEKPPSVKAGEALKGKVTVHKNK KDPRLSLTVLTLNNTQTGYLQ
6447	1554	1068	RLGPAEWHLSGPGCHATLGAANRGRALGVRAAWRGAPLCQRMMP SRTNLATGIPSSKVKYSRLSSTDGVIDLQPKKTPPKIPYKALA LATVFLIGAPLIIGSLLSGYISKGGADRAVPVLIIGILVFL PGFYHLRIAYYASKGYRGYSYDDIPDFDD
6448	74	559	GOVLSHCYHYRSSRWRRGGLSRGRGAGVMALVPVEETTFEGLQK FHKPLATPSFANHTIQIRQDWRHLGVAADVNDAAIVLSTYLEMG AFELGRSAVELGAGTGLVGIVAALLACRIRYERDNNFLAMLER QFIVRKVHYDPEKDVHIYEAKQKRNQKEDL
6449	597	1876	EYGVCCNLRKLEITGVSCRDVYAKLHRYRHLGLWQPDIGPYG GLINVVVDGLFTIGWMLPHDPHVDDEMRFKPLFRHLMERKA ATVECMYGHKGPHEGHIQIVKDEPSTKCNQTDHHRMSGGRQEE PRTNLRREWGRTLEDIPHEHMQELILMKFIYTSQYDNCLTYRRI YLPSPRPDDLKPGLFKGTGSHGLEIVMLSFHGRRRAGTKITG DPNIPAGQQTVEIDLHRHRIQLPDLENQRFNELSRIVLEVRRV RQEQQEGGHEAGEGRGQGPRESQPSPAQPRABAPSKGPDGTPG KDGGEFGDAVAAAEQPAQCGQGQPFVLPVGVSSRNEDYPRTCRM CFYGTGLIAGHGFTSPERTPGVIFLPDDEDFGFVWLEKSPSLY SRVQATFRNADAPSPQAFDEMLKNIQSLTS
6450	848	269	FVPAPRTVSGKRSLEGEWEERGEQRTGREFSQNGGRAVEAAR MRLCGLNLWLSLLKVLQATPTPLPLPPMQSFQGNQFQGEWF VLGLAGNSFRPEHRALLNAFTATPBLSDDGPFVWNAMTRGQHC DTWSYVLIPAAQPGQFTVDHRVWTHEQAGRFQDQAPAGQELVAAS RDAGPVHLPGQSSGPLG
6451	232	939	HSPTPTSPRATMEDVKLEFPSPQCKEDABEWTPMRREMGE ILPGLFLGPISSAMSKSLPVLQKHGITHIICIRQNTIANFIKPN FOQLERYLVLDIADNPEVNIIRFFPMTKKFTDGLQMGKVLVH GNAGISRSAAFIAYIMETFGMKYRDAFAYVQERRFCINPNAGF VHQLQEYBAIYLAKLTIQMMSPQIERSLSVHSGTTGSLKRTHE BEDDFGTMQVATAQNG
6452	1	652	RTRGESSNMEPLAAYPLKCSGPRAKVFVALLSVLCTVTLFLLQ LKFLPKINSFYAFVKDAKGRTVSLEKYGKVSLLVNVASDCQ LTDRLYLGLKELHKEFGPSHPSVLAFFPCNQFGESEPRPSKEVES FARKNYGVTFPIPHKIKILGSEGEPAFRFLVDSSKKEPRWNFWK YLVNPEGQVVKFWRPEEPIEVIRPDIALVRQVIKKKEDL
6453	827	223	HRRLPGLSMSPRRTLPRLSLCLSLCLCLCLAAALGSAQSGSC RDKKNCVVFVSOQLRKRLTPLQYHVTQKGTESAFEGEYTHHK DPGIYKCVVCGTPLFKSETKFDGSGGWPSFHDVINSEAITPTDD FSYGMHRVETSCSQCGAHLGHIFFDGPRTGKRYCINSAALSFT PADSSGTAEAGSGVASPAQADKAEL
6454	827	223	HRRLPGLSMSPRRTLPRLSLCLSLCLCLCLAAALGSAQSGSC RDKKNCVVFVSOQLRKRLTPLQYHVTQKGTESAFEGEYTHHK DPGIYKCVVCGTPLFKSETKFDGSGGWPSFHDVINSEAITPTDD FSYGMHRVETSCSQCGAHLGHIFFDGPRTGKRYCINSAALSFT PADSSGTAEAGSGVASPAQADKAEL
6455	1042	173	RVHLATVSASAAWDALGLFVRSHMQGSTRMGVMTDVHRRFLQL LMTHGVLEWDVKRLQTHCYKVHORNATVDKLEDFINNINSVLE SLYIBIKRGVTEDDGRPIYALVNLATTSISKMATDFAENELDLF RKALELIIDSETGFASSTNINLNLVDQLKGKMRKKEAEQVLQKP VQNKWLEKEGEFTLHGRAILEMEQYIRETYPDAVKICNICHSL

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6456	2	555	LIQGGSCETCGIRMHLEPCVAKYFQSNAPRCPCNDYNPHEIPK VFDPEKERESEGLVSKNKKSLRSRQH RPQSRISIMWRNSLLQVSSGLRWLRVCAMVDILGERHLVTCRGA TVBAEALQNKVVVALYFAAARCAPSRDFTPLLCDFTALVAEAB RPAPFEVVPVSADGSSQEMLDPMRELHGAWLALPFHDPYRHEIR KRYNVTAIPKLIVKQNGEVTNKGRKQIRERGLACPDQDWEAA DIFQNFVS
6457	23	892	PTTGFPVTFNPPWNPDGKPPIMILYVSKLNKIHFDPDFDKKIPV KLFPPLLLYVGNHISGLSSTSKLSLPMFTVLRKFTIPLTLLEET IILGKQYSLNIIISVFAIILGAFIAAGSDLAFLNLEGYIFVFLND IPTAANGVYTKQMDPKELGKYGVLFYNACFMIIPTLIISVSTG DLQQATEFNQWKNVVFILQFLSCFLGFLMYSTVLCSTYNSAL TTAVVGAIKNVSVAYIGILIGGDYIFSLNLFVGLNICMAGGLRY SFLTSLSSQLKPKPVGEENICLDLKS
6458	23	892	PTTGFPVTFNPPWNPDGKPPIMILYVSKLNKIHFDPDFDKKIPV KLFPPLLLYVGNHISGLSSTSKLSLPMFTVLRKFTIPLTLLEET IILGKQYSLNIIISVFAIILGAFIAAGSDLAFLNLEGYIFVFLND IPTAANGVYTKQMDPKELGKYGVLFYNACFMIIPTLIISVSTG DLQQATEFNQWKNVVFILQFLSCFLGFLMYSTVLCSTYNSAL TTAVVGAIKNVSVAYIGILIGGDYIFSLNLFVGLNICMAGGLRY SFLTSLSSQLKPKPVGEENICLDLKS
6459	23	892	PTTGFPVTFNPPWNPDGKPPIMILYVSKLNKIHFDPDFDKKIPV KLFPPLLLYVGNHISGLSSTSKLSLPMFTVLRKFTIPLTLLEET IILGKQYSLNIIISVFAIILGAFIAAGSDLAFLNLEGYIFVFLND IPTAANGVYTKQMDPKELGKYGVLFYNACFMIIPTLIISVSTG DLQQATEFNQWKNVVFILQFLSCFLGFLMYSTVLCSTYNSAL TTAVVGAIKNVSVAYIGILIGGDYIFSLNLFVGLNICMAGGLRY SFLTSLSSQLKPKPVGEENICLDLKS
6460	23	892	PTTGFPVTFNPPWNPDGKPPIMILYVSKLNKIHFDPDFDKKIPV KLFPPLLLYVGNHISGLSSTSKLSLPMFTVLRKFTIPLTLLEET IILGKQYSLNIIISVFAIILGAFIAAGSDLAFLNLEGYIFVFLND IPTAANGVYTKQMDPKELGKYGVLFYNACFMIIPTLIISVSTG DLQQATEFNQWKNVVFILQFLSCFLGFLMYSTVLCSTYNSAL TTAVVGAIKNVSVAYIGILIGGDYIFSLNLFVGLNICMAGGLRY SFLTSLSSQLKPKPVGEENICLDLKS
6461	1653	360	LQORTLRITAVGQTHPIAWMAWEPISLGAIFYGPASFITFVNCMYF LSIFIQLKRHPERKYELKEPTEEQQRLAANENGRIHQDSMSLS LISTSALENEHTFHSQLLGASLTLLLYVALNMFALAVSLYIPL DLVFSFVFGATSLSPSAPFVHHCVNREDVRLAWIMTCCPGRSS YSVQVNVQPPNSNGTNGEAPKCPNSSAESSCTNKSASSFKNSSQ GCKLTNLQAAAAQCHANSPLNSTPQLDNSLTEHSMNDIKMHV APLEVQFRTNVHSSRHKNRSKGRASRLTVLREYAYDVPTSV GSVQNLGPKSRLGNNEGHSRGRAYLAYREROYNPPQDSSDAC STLPKSSRNFEKPVSTTSKKDALRKPAVVELENQKSYGLNLAI QNGPIKSNQEGPPLIGTDSTGNVRTGLWGHETTV
6462	3	773	SEELDREKKLKEDSPRKTNPKEGVPVSLPVSLTSIKEEPKEAKH PDSQSMREESKLKNDDRKTPVNWKDSRGTRVAVSSPMSQHQSIIQ YLHAYFPQMYDPSHPAYRAVSPVLMHSPGAYLSPGFHYPVYG KMSGRETEKVNTSPSVNTKTTTESKALDILLQOHANQYRSKSPA PVEKATAERERRERERDRHSPFCQRHLTHHHTHVGMGYPLIP GOYDFPQGLTSAALVASQQVAAQASASGMFPQQRRE
6463	2	350	VILCILGGWIFKNADRSMEKKKGEPRTAEARPPWDEDLKDS LHQAEDEADEWQSEENVEHIPPSHNHYPEKEMVKRSQBFYRL LNKRVRVFSNEQVPMEVIDNVIRTAGL
6464	12	1154	GILRQKEREERNRIHKKEILFLHLVVPSEMSSLSGKVQTVLG

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			LVPEPSKLGRTLTHEHLAMTFDCCYCPPPPCQEAISKEPIVMKNL YWIQKNAYSHKENLQLNQETRAIKEELLYFKANGGALVENTTT GISRDTQTLKRLAKETGVHIIISGAGFYVDATHSSETRAMSVEQL TDVLMNRIHGADGTSIKCGIIGEIGCSWPLTESERKVLQATAH AQQLGCPVIIHPGRSSRAPQIIIRILQAGADISKTVMSHLDR TILDKKELLEFAQLGCLYDLPGLTELLHYQLGPDIDMPDDNKR IRRVRLVVEGCEDRILVAHDIIHTKTRLMKYGGHGYSHILTNVV PKMLLRGITENVLDKILIENTPKQWLTFK
6465	126	1396	KMTVFFKTLRNHNKKTITAGLCILTWGGHLYGKHCMDLLRRAAC QRAQVFGNQLIPPNAQVKATVFLNPAACKGKARTLFEKNAAPI LHLSGMDVTIVKTDYEGQAKKLLRLMENTDVIIVAGGDGTLQEV VTGVLRRTEATFSKIPIGFIPLGETSSLSHTLFAESGNKVQHI TDATLAIKGETVPLDVLQIKGEKEQPVFAMTGLRWGSFRDAGV KVSQYWYLEPLKIKAAHFFSTLKEWPQTHQASISYTGPTERPEN RPEETPVQRPSTLYRRIILRLASYWAQPDALSOEVSPEVWKDVQ LSTIELSITTRNQLDPTSKEDFLNICIEPDTISKGDFITIGSR KVRNPGLHVBGTECLQASQCTLLIPEGAGGSFSDISERYEAMPV EVKLLPRKLQFFCDPRKREQMLTSPTQ
6466	1134	828	VARGTELSQLEKAHPPADMGRKSKRKPMPKKMTGTLETQFTC PFCNHEKSCDVMDRARTNGVISCTVCLREFTPTITLSEPVV YSDWIDACRAAQ
6467	301	2571	GRLRVLALAHGELACHAVLTASLLSLRSRLMDSMDYKRPNVET IKCVVVDNAVKGTRLICARACNATLTQYQLATHVPTVWAIQ YRVCQEVLEERSRDVDDVSVSLRLWDTFGDHHKDRRFAYGRSDV VVLCFSTIANPNSLHHVKTMYPEIKHFCPRAPVILVGCQLDLRY ADLEAVNRARRPLARPIKPNELPPEKGREVAKELGIPYYETSV VAQFGIKDVPDRAALISRRHLQFWKSHLRNVQRPLQAPFL PPKPPPIIIVVPDPSSSECEPAHLLDPLCADVILVLQERVRI FAHKIYLSSTSSKFYDLFLMDLSBGLGGPSEPGGTHPEDHQGH SQQHSHHHHHHGRDFFLLRAASFVDCESVDREAGSGPAGLRAS SDGILRGNGTGYLPGRGRVLSSWSRAFVSIOREMAEDPLTYKSR LMVVVKMOSSIQPGPPRAVLKYLYTGRLDNERDLMHIAHIAEL LRVFDLRMMVANILNNEAFMNQBITKAFHVRRTNRVKECLAKGT FSDVTFILDDGTISAHKPELLISSCDMAAMPGGPFVESSTREVV FPYTSKSCMRVLELYLYTGMPSTSPDLDDMKLIILANRLCLPHL VALTEQYTVTGLMEATQMMVDIDGDVLVFELEAQFHCAYQLADW CLHHICTNYYNVCRRKPRDMKAMSPENQBYFEKHRNPPVWYLKE EDHYQARKEREKEDYLHLKRPKRRLFWNSPSSPSSSAASSS SPSSSSAVV
6468	3	1374	DAWAGTNMAALAPVGPASRGPRLAAGLRLLPMLGLLQLLAEPL LGRVHHLAKDDVRHKVHLNTFFGFFKDGVMVNVSSLSLNEPED KDVITIGFSLDRKNDGPFSSYLDEVDNYCILKKQSVSVTLILDI SRSEVRVKSPPPEAGTQLEKIIIFSRDEKVLGQSQBPNVNPASAGN QTQKTQDGGKSKRSTVDSKAMGRKSFVHNNGGAVSFQFFFNIS TDDQEGLYSLYFHKCLGKELPSDKFTFSLDIEITEKNPDSYLSA GRIPLPKLYISMAFFFLSGTIWIHLRKRNDVFKIHWLMAAL PFTKSLSLVFHAIDYHYISSQGFPPIEGNAVYVYITHLLKGAILF ITIALIGTWAFIKHILSDKDKKIFMIVIPRRVLNAVYIIIES TREGTTEYGLWKDSLFLVDLLCCGAILPPVWVSIRHLQASATD GKGFPSRAHFVLLSL
6469	3	1374	DAWAGTNMAALAPVGPASRGPRLAAGLRLLPMLGLLQLLAEPL LGRVHHLAKDDVRHKVHLNTFFGFFKDGVMVNVSSLSLNEPED KDVITIGFSLDRKNDGPFSSYLDEVDNYCILKKQSVSVTLILDI SRSEVRVKSPPPEAGTQLEKIIIFSRDEKVLGQSQBPNVNPASAGN QTQKTQDGGKSKRSTVDSKAMGEKSFVHNNGGAVSFQFFFNIS TDDQEGLYSLYFHKCLGKELPSDKFTFSLDIEITEKNPDSYLSA

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			GEIPLPKLYISMAPPFFLSGTIWIHLRKRNRNDVFKIHWLMAAL PPTKSLSLVFHATIDYHYISSQGFPPIEGNAVYVYITHLKGLLY ITIALIGTGNAPFKHILSDKDKKIFMIVIPRRVLNVAYIIR TEEGTTEYGLWKDSLPLVDLLCCGAILFPVWVSIRHLQASATD GKGKPSRAHFVLLSL
6470	2726	1437	AAASGVSSRADAPVLAQSPASAGNGRPSTPRVPGSRRHPSAPRS GPLPREDGCRTPGFPQLPLPGALLRPRTLLSSAAETGRSRHPDT QHPSSGRCRGSTSPSSAAGRPAASMAEEDCHSDTVRADDE ENESPARTDLQAQLQMFRAQWMLAPGVSSSNLENRPCRAARG SLQKTSADTKGKQBOAKEKARELFLKAVEEBQNGALYEAIFY RRAMQLVDPDIEFKITYTRSPDGDGVGNSYIEDNDDDSKMADLLS YFQQQLTFQESVLKLCQPELESSQIHISVLPMEVLMYIFRWVVS SDLDLRSLQLSLVCRGFYICARDPEIWRLLACLKVGGRSCIKLV PYTTSWREMFLEPRVRFDGVYISKTTYIRQGEQSLDGFYRAWHQ VEYYIRYIRFPDGHVMLLTPEEPQSVPRLETR
6471	1750	299	FFFDKMAAGSGVGGKRSSKSDADSGFLGLRPTSDPALRRRRR GPRNKKRGWRRLAQEPLGLEVDQFLEDVRLQERTSGGLLSEAN EKLFPVDTGSKKGLTKKRTKVOKSLLLKKPLRVDLILENTSK VPAPKDVLAHQVPNAKLRKEQLWEKLAKQGELEPREVRAQAR LINPSATRAKPGPDQTVRPFYDLWASDNPLDRPLVGQDEFLE QTKKKGVKRPARLHTKPSQAPAVEVAPAGASYNPSFEDHQTL AAHEVELQRKEABKLERQLALPATEQAATQSTFQELCEGLLE ESDGEGERGQGEPEAGDAEVCPTPARLATTEKKTEQORRREKA VHRLRVQQAALRAARLRHQLFRRLGKIAQVALRLAELARRQR RQARREABADKPRRLGRKYQAPDIDVQLSSKLTSLRLTKPEG NILLDRFKSFQRNMIEPREAKFKRYKVKLVEKRAFEIQL
6472	3	897	SCGSDRAQWAMEFPFDVDALEPERITVLDQHLRPPARRPGTTTP ARVDLQQQIMTIIDELGKASAKAQNLSAPITSASRMQSNRHVY ILKDSARPAGKGAIOFIKVGKCLFVLDREAHNEVEPLCIL DPYIHESVQRHGHGRELQYMLQKERVPHQLAIDRPSQKLLKF LNKHYNLETTVPQVNNFVIFEGFPAHQHPPAPSLRATRHSRAA AVDPTPAAPARKLPKRAEGDIKPYSSSDREFLKVAVEPPWPLN RAPRRATPAHPPPRSSSLGNSPERGPLRPFVP
6473	22	912	SSAVEFVWEGEKMAEPNRTETIQLPKRLRAVPTNKACFDGAK NPSWASITYGVFLCIDCSGVHRSGLVHLSFIRSTELDSNNWFO LRCMQVGGNANATAFFRQHGCTANDANTKYNRAAQMYREKIRQ LGSAAALRHGTDLWIDNMSSAVPNHSPEKKDSDFTEHTQPPAN DAPATEPSGTQQPAPSTESSGLAOPRHGPNITDLGTSFKASLEL KSSIIGKKKPAAKKGLGAKKGLGAQKVSSQS*SEIERQAQVAB KLRLQQAADAKKQAESMVASMLAYQELQIDR
6474	3	462	LQRQRQHPAAAPAVPVRCPTFCPTDIVIMPKRKSPENTBGKDS KVTQKBPTRRSARLSAKPAPPKPEPKPRKTSAKKEPGAKISRG KGKKEKQEGAGKTAPSENGETKAEIHIISRTVNVSTSRGTP PSTLSVKQIETVRVKGTEN
6475	3	462	LQRQRQHPAAAPAVPVRCPTFCPTDIVIMPKRKSPENTBGKDS KVTQKBPTRRSARLSAKPAPPKPEPKPRKTSAKKEPGAKISRG KGKKEKQEGAGKTAPSENGETKAEIHIISRTVNVSTSRGTP PSTLSVKQIETVRVKGTEN
6476	106	1090	ARAMAQYKGTMRAGRAMHLKKRRRQREQMEVLKQRIAEETIL KSQVDKRFSAHYDAVEAELKSSTVGLVTLNDMKARQALVRERE ROLAKROHLEBQRLQERQREQORRRERKKISCLSFALDDLD QADAAEARRAGNLGKNPDVDTSFPLPDRDREERENLREELRQEW EAQREKVKDEEMVTFVWDGSGHRTTVRVKGNVQQFLKKAL QGLRKDFLELSAGVEQLMFIKEDLILPHYHTFYDFIARARGK SGPLFSFDVHDDVRLLSDATMEKDESHAGKVLRVLSWYKKNHIF PASRWZAYDPEKKWDKYTIR

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6477	227	915	LQGHLMGIMAASRPLSRFWGKNIVCVGRNYADHVREMRSAVL SEPVLFLKPTAYAPGSPILMPAYTRNLHHELELGVMGKRRCR AVPEAAAMDYVGGYALCLDMTARDVQDECKKGLPWTLAKSFTA SCPVSAPVPKEKIPDPHKLKLWLKVNGLRQEGETSMMIFPSIPY IISYVSKIITLEGGDIILTGTPEGVGPVKRNDIEAGIHGLVSM TFKVEKPEY
6478	2	1495	FVSSRIPLPESLASSRSTLEAMGRKEEDDCSSWKKQTTNIRKTF IFMEVLGSGAFSEVFLVKQRLTGKLFALKCIKSPAFRDSSLEN RIAVLKKIKHENIVTLEDIYESITHYILVMQLVSGGRLFDRIIE RGVYTEKQASLVIOQVLSAVKYLHENGIVHRDLKPENLLYLTP ENSKIMITDPGLSKMEQNGIMSTACGTPGYVAPEVLAQKPYSKA VDCWSIGVITYILLGYPFYEETBSKLFKEIKEGYEFBSFPW DDISESAKDFICHLEKDPNERYTCEKALSHPWIDGNTALHRDI YPSVSLQIQKNFAKSKWRQAFNAAVVIHMRKLMHNLHSPGVRP EVENRPPETQASETSRPSSEITITAPVLDHVALPALTLQPC QHGRRTAPGGRSLNCLVNGSLHSSSLVPMHQGSLAAGPCGCC SSCLNIGSKGSSYCSSEPTLLKKANKKQNPKEVMVPVKAAGSS HCRAGGTGVCILIM
6479	3	949	SCRCPGWHFAGGQACAMELLSALSGLALSFSPVPLFPVFDLS YFIVSILYLKYPEGAVELSRRIPIASWLCAMLHCFGSYLLADLL LGEPLIDYFSNNSSILLASAVWYLIFFCPLDLFYKVCVCLPVKL IFVAMKEVVRVKIAGVIGHAHHHYHHGWFVMIATGWVKGSGVA LMSNFEQLLRGVWKPETNEILHMSFPTKASLYGAILFTLQOTRW LPVSKASLIFITFLMVSKCVFLTATHSHSSPFDALGYICPVL FGSACGGDHHHNDHGGSHSGGPGAQHSAMPAKSKKEELSEGSRK KKAKKAD
6480	192	514	DFMSIYFFPIHCPDYLSAKMTEVMNTPQPMEEIGLSPRKDGLSY QIFPDPSDFDRCCCKLKDRLPSIVVEPTGEVESGELRWPEEFL VQEDQDNCEBTAKENKEQ
6481	110	1131	KSRMDLVVNMVFIAGGTLAIPILAFVASFLLWPSALIRIYYWY WRRITLGMQVRYVHHEDYQFCYSFRGRPGHKPSILMLHGFSAHKD MWLSVVKFLPKNLHLVCVDMPGHEGTTRSSLDLSIDGQVKRIH QFVECLKLKCKPFLVGTSMCGQVAGVYAAYPSDVSLWLVC AGLQYSTDNQFVQRLKELQGSAAVEKIPLIPSTPEEMSEMLQC SYVRFKVPQQILQGLVDVRIPHNNFYRKLPLEIVSEKSRYSLHQ NMDKIKVPTQIINGKQDQVLDVSGADMLAKSIANCQVELLENC ESVVMERPRKTAKLIIDFLASVHNTDNKKLD
6482	2517	568	EPVSKVSQSRKAGVPTANTIESQAVRAAMANVPWAEVCEKFOA ALALSRVBIHKNPEKEPYKSKYSARALLEEVKALLGPAPEDRDE RPEAEDGPGAGDHALGLPAEVVEPEGVPAQRAVRLAVIEPHLG NHIDTEELSAGBEHLVKCLRLRLRRYRLSHDCISLCIQANLGI LWSEREEIETAQAYLESSEALYNQYMKVEGSPPLDPTERFLPEE EKLTEQERSKRFEKVYTHNLYYLAQVYQHLEMFKAHYCHSTL KRQLEHNAYHPIEWAINAATLSQFYINKLCPMEARHCLSAANVI FGQTGKISATEDTPEAEGEVPELVHQRKGEIARCWIKYCLTLMQ NAQLSMODNIGBLDLDKQSELRLALRKKELDREESIRKKAVQPGT GELCDASAVEEKVSYLRPLDFEARELFLGQHYVFAKEFPQ IDGYVTDHIEVVQDHSALFKGLAFFETDMERRCKMHRRIAMLE PLTVDLNPQYLLVNRQIQFEIAHAYDMMDLKVAIADRLRDPD SHIVKINNINKSALKYYQLFLDSLDPNKVFPEHIGEDVLRPA MLAKFRVARLYGKIITADPKKELENLATSLEHYKFIVDYCEKHP KAAQIEVELELSKEMVSLPTKMERFRTKMALT
6483	3	623	NSHLLCGLRARAPLSANGREARAMEQRLAEFRAARKRAGLAAQP PAASQGAQTPEKAEAAATLKAAPGWLKRLVWVKPRPASARAQP GLVQRAAQPGGSTSETPWNTAIPLPSCWDQSFLTNTITLKVLLW LVLLGLFVELEFGLAYFVLSLFWYMYVGTROPBEKKEGEKSAYS

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6484	201	965	VFNPGCBATQGTLTAEQLERELQLRPLAGR QLAVKTKMSGLRPGTQVDPEIELFVKAGSDGESTGNCPPCQRLF MILNLKGVKFNVTVDTRKPRELKDLAGTNPFFLVYNKELKT DPTKTEEFLEQLTAPPYRPHLSPKYKESPDVGCNLFAPKFSAYIK N ^o QKEANKNPKSLLKEPKRLDDYLNTPLLDEIDPDSAEPPVS RRLFLDGDQLTLADCSLLPKLNI ^o IKVAAKKYRDFDIPAEFSGVW RYLHNAYAREEFTHTCPEDKIEINTYANVAKOKS
6485	6	1091	FVDLVRAVEFLPCPDSQKLEKEQSSEESMGSNSMRSTLREDEE DEEPPRVLYHRPRSFEVGMVWHKHKYPFWPAVVKSVRQDK KASVLYIEGHMNPKNMGFTVSLKSLKHFOCKEKQTLNQAQEDF NQDIGNCVSLITDYRVRLLGCGSFAGSFLRYAADISYFVRKSIQ QDVLGTLKPLQLSKGSPEEPVVGCPGQRPCKRMPLDRSRAARD RANQKLVEYIGRAKGAESHLRAILKSRKPSRWLQTLSSSQYVT CVETYLEDEGQLDLVVKYLGQVYQEVGAKVLQRTNGDRIRFILD VLLPEATICAISAGDEVYKTAREKYIKGPSLSYREKEIFDNQL LEERNRRRR
6486	10	581	LVLQAGGAHLSPSRVTQGIYYMLAFSEMPKPPDYSELSDSLTLA GCTGRFSGPLHRAWRMNFRQMGWIGVGLYLLASAAAFYVFB ISETYNRLALEHIQHPERPLEGTTWTHSLKAQLLSLPFWVWTV IFLVPYLQMFLLYSCTRADPKTVGYCIIPICLAVICNRHQAFV KASNQISRLQLDIT
6487	352	863	SFLKPLRGKMSVTLHTDVGDIKIEVFCERTPKTCENFLALCASN YYNGCIFHRN ^o IKGFVQTGDPGTGTRGNGS ^o IWGKKCFEDEYSEYL KHNVRGVSMANN ^o GPNTNGSQFFITYGKQPHLDMKYTVFGKVID GLETDELEKLPVNEKTYRPLNDVHI ^o KDITIHANPPAQ
6488	878	241	TALQEPGTEGPPLSLRFPALPSGTRFKPLFGARGPSWPPSPRPV MBPPNLYPVKLYVYDLSKGLARLSPIMLGKQLEGIWHTSIVVH KDEFFPGSGGISCCPPGGTLLGPPDSVVDVGSTEVTERIFLEYL SSLGESLFRGEAYNLFRHNCNTFSNEVAQFLTGRKIPSYITDLP SEVLSTPPGQALRPLDLSIQIPPGSSSVGRPNQGS
6489	1457	375	KVAKMATALSEBELONEDDYSLNVRREASSEELKAYRRLCML YHPDKHRDPELKSQABRLFNLVHQAYEVLSDPQTRAIYDIYGKR GLEMBEGNEVVERRRTPARIREEFERLQRRERERRLQRTNPKGT ISGVDAITDLFDRYDEYEDVSGSSFPQIEINKMHISQSIEAPL TATDTAILSGSLSTQNGNGGGSINFALRRVTSAGNGWELEFGAG DLQGPLFGLKLFRLNTERCFVTTCALQFSSRGIRPGLTTVLAR NLDKNTVGYLQWHCCSPLLVQVRPHRNTACAPSPSPRFLHVP TWDACSGARTPTAWTSAAVKLREACLSGPGSGSHQLLLTTPR SKRRTGGG
6490	3	1183	HEAGCEVWLGYGPRAAAAAATVLFGGAGPTETMFVARSIAADH KDLIHDSFDFHGRMATCSSDQSVKVDKSES ^o GDWHCTASWKT HSGSVWRVTWAHPEFGQVLASCSFDR ^o TAAVWEEIVGESNDKLRG QSHWVKRTTLVDSRTSVTDVKFAPKHMGLMLATCSADGIVRIYE APDVMNLSQWSLQHEISCKLSCSCISWN ^o SSSRAHSPMIAVGSD DSSPNAMAKVQIFEYNENTRKYAKAETLMTVTD ^o PVHDIAFAPNL GRSFHILAIATKDVRIFTLPVRKELTSSGGPTKFEIHIVAQFD NHNSQVWRVSWNITGTVLASSGDDGCVRLWKANYMDNWKCTGIL KNGSPVNGSSQGTENPSLGSNIPSLQNSLNGSSAGRKHS
6491	3	1183	HEAGCEVWLGYGPRAAAAAATVLFGGAGPTETMFVARSIAADH KDLIHDSFDFHGRMATCSSDQSVKVDKSES ^o GDWHCTASWKT HSGSVWRVTWAHPEFGQVLASCSFDR ^o TAAVWEEIVGESNDKLRG QSHWVKRTTLVDSRTSVTDVKFAPKHMGLMLATCSADGIVRIYE APDVMNLSQWSLQHEISCKLSCSCISWN ^o SSSRAHSPMIAVGSD DSSPNAMAKVQIFEYNENTRKYAKAETLMTVTD ^o PVHDIAFAPNL GRSFHILAIATKDVRIFTLPVRKELTSSGGPTKFEIHIVAQFD NHNSQVWRVSWNITGTVLASSGDDGCVRLWKANYMDNWKCTGIL

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6492	34	2573	<p>KGNGSPVNGSSQQTENPSLGSNIPSLQNSLNGSSAGRKHS</p> <p>IPFLKSCCCCLFDFPPPLDQVQEECEVRRVTEHGTPKPFRK</p> <p>FDSVAFGESQSEDEQPPNDLETDPPNWQQLVSREVLGLKPCFI</p> <p>KRQEVINELFYTERAHVRTLKVLDOVFYQVRSREGILSPSELRK</p> <p>IPSNLEIDILQLHIGLNEQMKAVRIKRNSTSVIDQIGEDLLTWFSG</p> <p>PGEELKHAAATPCSNQPPFALEMKSQRKDSRPQTFFVQDAESN</p> <p>PLCRRLQLKDIIPTOMQRLTKYPLLLDNIAITYTENPTREKVKK</p> <p>AADHCROILNYVNOAVKEAKNQRLLEDYQRRLDTSLSKLSEYFN</p> <p>VEELRNLDLTKRKMIEHGPLVWKVNRDKTIDLYTLLELDILVLL</p> <p>QKQDDRLVLRCHSKILASTADSKHTFSPVIKLSLTVLRQVATDN</p> <p>KALFVISMDSNGAQIVELVQTVSEKTVWQDLICRMAASVKEQS</p> <p>TKPIPLPQSTPGSGDNDEEDPSKLKEEQHGISVTGLQSPDRDLG</p> <p>LESTLISSKPPQSHSLSTSGKSEVRDLFVAERQFAKEQHTDGTLK</p> <p>EVGEDYQIAIPDSHLFVSEERWALDALRNIGLLKQLLVQQLGLT</p> <p>EKSVQEDWQHFPRTASQGFQDTSVIONSENIKAYHSGEGHMP</p> <p>FRTGTGDIATCYSPTSTESFAPRDSVGLAPQDSQASNLVMDH</p> <p>MIMTPEMPTMEPEGGLDSDGEHFDAEHAHSDENPSEGDGAVNK</p> <p>EKQVNLRIISGNVILIDGYDPVQESSTDEEVASSITLQPMGTGP</p> <p>AVRSTHQQHSPPONTHSDGAISSPTPEFLVQQRWGAMEYSCEFI</p> <p>QSPSSCADSQSQIMEYTHKIEADLEHLKKVRESYITLCQRLAGS</p> <p>ALTDKHSKDS</p>
6493	557	1147	<p>TPARMAYQGSSTSDCMKTLDSASAHFAASAVVSAVPVSRSEVA</p> <p>KEQNTGHNINGVQVPSGTSKTLYSTNMALSSSPGISAVQLVRT</p> <p>VGHTTTNHLIPALCTSSPQTLPMNNSCLTNAVHLLNNVSVVSPVN</p> <p>VHINTRTSAPSPATLKLATVAASMDRVPKVTSPSSAISSIARENH</p> <p>EPERLGLNGIARTTVAMEVT</p>
6494	2425	1052	<p>AVAGGARPCSTPSSPHRRCRHRPRPLPRPPAAMSASAVYVLD</p> <p>LKGVILICRNYRGDVMSEVEHFMPILMEKEEGMLSPILAHGG</p> <p>VRFMWIKHNNLYLVATSKKNACVSLVFSFLYKVVQVFSYFKEL</p> <p>EEESIRDNFVLIYELDELMDFGYPQTDSKILQBYITQEGHKL</p> <p>BTGAPRPPATVTNAVSWRSEGIKYRKNEVFLDVIESVNLLVSAN</p> <p>GNVLRSEIVGSIKMRVFLSGMPBLRLGLNDKVLFDNTGRGKSKS</p> <p>VELEDVKFHQCVRLSRFENDRTISFIPPDGEFELMSYRLNTHVK</p> <p>PLIWIIESVIEKHSRIBYMIKAKSQFKRRSTANNVEIHIPVPN</p> <p>DADSPKFKTTVGSVKNVPENSIVWSIKSFPGGKBYLMRAHFG</p> <p>PSVEAEDKEGKPPISVKFEIPYFTTSGIQVRYLKIIEKSGYQAL</p> <p>PWVRYITONGDYQLRTQ</p>
6495	2425	1052	<p>AVAGGARPCSTPSSPHRRCRHRPRPLPRPPAAMSASAVYVLD</p> <p>LKGVILICRNYRGDVMSEVEHFMPILMEKEEGMLSPILAHGG</p> <p>VRFMWIKHNNLYLVATSKKNACVSLVFSFLYKVVQVFSYFKEL</p> <p>EEESIRDNFVLIYELDELMDFGYPQTDSKILQBYITQEGHKL</p> <p>BTGAPRPPATVTNAVSWRSEGIKYRKNEVFLDVIESVNLLVSAN</p> <p>GNVLRSEIVGSIKMRVFLSGMPBLRLGLNDKVLFDNTGRGKSKS</p> <p>VELEDVKFHQCVRLSRFENDRTISFIPPDGEFELMSYRLNTHVK</p> <p>PLIWIIESVIEKHSRIBYMIKAKSQFKRRSTANNVEIHIPVPN</p> <p>DADSPKFKTTVGSVKNVPENSIVWSIKSFPGGKBYLMRAHFG</p> <p>PSVEAEDKEGKPPISVKFEIPYFTTSGIQVRYLKIIEKSGYQAL</p> <p>PWVRYITONGDYQLRTQ</p>
6496	247	559	<p>LRVSLPLQLVLPREYSIHSIFCIMPFLCAQEWLTIGLNVPLLFY</p> <p>HFWRYPHCPADSSSLAYDPPVVMNADTLSYCQKEAWCKLAPYLL</p> <p>SFFYYLYCMIITLVSS</p>
6497	1053	352	<p>ANTQICRLCPRRLHPPQGAQMNGTEEDYNFVFKVVLIGESGV</p> <p>GKTNLLSRFTNFEFSDSRTTIGVEFSTRVIMLGTAAVKAQIWD</p> <p>TAGLERYRAITSAYRGAVGALLVFDLTKHQTYAVVERWLKELY</p> <p>DHAERATIVMLVGNKSDLSQAREVPTTEARMFAENNGLLFLETS</p> <p>ALDSTNVELAFETVLKBIFAKVSQRQNSIRTNATILGSAQAGQ</p>

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6498	2636	272	EPGFGKRRACCISL SLRLCPWGTLAGPTTMRSSLLALLRPPALPLILGLSLGCSLSL LRVSWIQGEGEDPCVEAVGERGGPQNPDSRARLDQSEDFKPRI VPYYRDPNPKYKKVLTRYIQTGLSRERLLVAVLTSRATLSTL AVAVNRTVAHHFPRLLYPTQGRGARAPAGMQVSHGDERPAWLM SETLRHLHTHFGADYDWFPIQDDTYVQAPRLAALAGHLSINQD LYLGRAREFFIGAGEQARYCHGFGYLLSRSLILRLRPHLDGCRG DILSARPDWLGRCLIDSLGVCVSHQGGQYRSFELAKNRDPE KEGSSAFLSAFVHPVSEGTLMYRLHKRFSALRLERAYSBIQL QAQIRNLTVLTPGEAGLSWVGLPAPFTFHSRFEVLGNDYFTE QHTFSCADGAPKCPILQGASRADVGDALETALEQLNRRYQPRLRP QKQRLNGYRRFDPARGMEYTLDLLLECVTQGRHRRALARRVSL LRPLSRVEILPMPVVTATRVQLVPLVAEAAAAAPFLAFAFA NVLEPREHALLTLILVYGPREGGRGAPDPFLGVKAAAELEERRY PGTRLAWLAVRAEAPSQVRLMDVVSKKHPVDTLFPLTTVWTRPG PEVLNRCRMNALSQWQAFPPVHFQBFNPALSPQRSPPGPPGAGP DPPSPPGADPSRGAPIGGRFDRQASAECCFYNADYLAARARLAG ELAGQEEKEALEGLEVMDFLRFSGLHLFRAVEPGLVQKPSLRD CSPRLSEELYHRCRLSNLEGLGGRALAMALFEQEQANST
6499	3	2040	SCSADTRPSCQANPTVGLRAAAGAFRTGSPALGPGTQVACLPL GHPVVRPQVSGGPGAMPDPAHLPPFYGSISRABAEHLKLAGM ADGLFLLRQCLSLGGYVLSLVHDVRFHHFPIERQLNGTYALAG GKAHCGPAELCEFYSRDPDGLPCNLRKPCNRPSGLEPOPGVFD LRDAMVRDYVRQTNKLEGEALQAIISQAPQVEKLIATTAHERM PWHSSSLTRBEAERKLYSGAQTGKFLLRPRKEQGTVALSLIYG KTVYHYLISQDKAGKYCIEGTGKFDTLNQLVEYLKADGLIYC LKEACPNSSASNASGAAPTLPAPSTLTHPQRRIIDLNSDGYT PEPARITSPDKPRPMPMDTSVYESPYSDPEELKDKLFLKRDNL LTADIELGCGNFGSVRQGVYRMKKQIDVAIKVLKQGTBKADTE EMMREAQIMHQLDNPYIVRLIGVCQABALMLVMEAGGGPLHKF LVGKRREIPVSNVABLLHQVSMGMKYLEKNFVHRDLAARNVLL VNRHYAKISDFGLSKALGADDSYTTARSAGKRLKNYAPCEINF RKFPSSRDVMSYGVITMBALSYGOKPYKMKGPEVMAFIRQGRK MECPPECPPELYALMSDCWIKWEDRPDPLTVBQMRACYYSLA SKVBEPPGSTQKAAACA
6500	1773	726	TGPTHASADAWGLVRSVTEWCANVRGNPCAAALSCPAVLDAK MLSESSSFLKGVMLGSIFCALITMLGHIRIGHGNRMHHHHHL QAPNKEDILKISEDERMELSKSPRVYCIILVKPKDVSLLAAVKE TWTXHCDAEKFSSENVKFESINMDTNDMLMRKAYKYAFDK YRDQYNW?FLARPTTFALLENLKYFLKDKDPSQPFYLGHTIKSG DLEYVGMGGGIVLSVSMKRLNSLLNIPKCPBEGGMIWKISED KQLAVCLKYAGVFAENAEDAGKDVFNKTSVGLSIKEAMTYHPN QVVEGCCSDMAVTFNGLTPNQMHVMMYGVYRLRAFPGPYFQ
6501	1	570	LVGMSGGGTETPVGCEAAPGGGSKRDSLGTAGSAHLITKDLGE IHSRLLDHRPVIQGETRYFVKEFEKRLGRLMRVLENLKNMHE TNEHTLPKCRDTMRDLSQVQLRLQAANDSVCRLOQREQERKCI HSDHLVASEKQHMLQNDNFMKEQPNKRAEVDDEHRKAMERLKEQ YAEKEDLAKFSTF
6502	213	1650	AGNKPDPWAGRNRTAVLPDVSVFHREDVGWRRSNLQSYQAVKE KSSEALEFMKRDLTFTQVQHDFTACTIAATASVVKELATEGS SGATEKMKKGLSDFLGVISDTFAPSDDKTIDCDVITLMGTSGT AEPYDGTAKRLYSLSQSDPATYCNRPDGPPELFDWLSSQFCLEEK KGEISELLVGSPIRALYTKMVAAPVSHSEFPHRYFFYKVHQLQ EQARNDAKQRAEQSISEPGWEEEBELMGISPISPKRAKVPV AKISTFPEGEPGQSPCRENLVTSVEPPAEVTPSESSESISLVT QIANPATAPAEARVLPKDLSQLLRASLEBQGLAVDVGETGSPSP

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6503	213	1650	IHSKPLTPAGHTGGPEPRPPARVETLRBEAPTDLRVFELNSDSG KSTPSNNGKKSSTDISDWEKDFDLDMTEEEVQMAISKVDASG EVSGPGSGSEGSEPNCGCESSPQPAQLSPQEGPCSCLR AGNKPDPFAGNRNRTAVLPDVSVFHREDVGVWRSWLQSSVQAVKE KSSKALBFMKRDLTEPTQVVOHDTACTIAATASVVKELATEGS SGATEKMKGLSDPLGVISDTPAPSPDKTIDCDVITLMGTPSGT AEPYDGTAKRLYSLSQSDPATYCNEPDGPELFDWLQSQCLEBK KGEISELLVGSPIRALYTKMVPAAVSHSEFWHRFYKYVHQLBQ EQARRDALKQRAEQSISEEPGWEEEEKIMGISPISPEAKVFPV AKISTFEEGEPGQSPCKENLVTSVEPPAEVTPSESSESISLVT QIANPATAPEARVLPKDLSQLLEASLEEQGLAVDVGETGPPSP IHSKPLTPAGHTGGPEPRPPARVETLRBEAPTDLRVFELNSDSG KSTPSNNGKKSSTDISDWEKDFDLDMTEEEVQMAISKVDASG EVSGPGSGSEGSEPNCGCESSPQPAQLSPQEGPCSCLR
6504	2131	1294	GKVCVAHWVCLSLSPFPAGMKTNPQAQEQQTAAAGRATG SANMTKKKVSQKKQGRFPSSQPCRNIVGCRISHGWKEGDEPITQ WKGTVLDQVPINPSLYLVKYDGDICVYGLELHRDERVLSLKILS DRVASSHISDANLANTIIGKAVEHMFEGEHGSKDEWRGMVLAQA PIMKANFYITYEKDPVLYMYQLDDYKECDLRIMPESSESPPTE REPGGVVDGLIGKHVEYTKEDGSKRIGMVIHQVEAKPSVYFIKP DDDFHIYVYDLVKKS
6505	2131	1294	GKVCVAHWVCLSLSPFPAGMKTNPQAQEQQTAAAGRATG SANMTKKKVSQKKQGRFPSSQPCRNIVGCRISHGWKEGDEPITQ WKGTVLDQVPINPSLYLVKYDGDICVYGLELHRDERVLSLKILS DRVASSHISDANLANTIIGKAVEHMFEGEHGSKDEWRGMVLAQA PIMKANFYITYEKDPVLYMYQLDDYKECDLRIMPESSESPPTE REPGGVVDGLIGKHVEYTKEDGSKRIGMVIHQVEAKPSVYFIKP DDDFHIYVYDLVKKS
6506	1	1350	EVSPTSCCLTVAVADPGVSEGRGFGAGCEMPGRGRCPDCGST ELVEDSHYSQSQLVCSDCGCVVTBGLTTTFSDENLRKVITYSR STGENEQVSRSQQRGLRRVRLCRVLQLPPTFEDTAVAYYQOAY RHSGIRAARLQKKEVLWGCVLITCRQHNWPLTMGAICTLLYAD LDVFSSYTMQIVKLLGLDVPSLCLARLVKTYCSSFKLFOASPSV PAKYVEDKEKMLSRMTQVLVELANETLVTGRHPLPVITATPLA NQSLQPADRLSCSLARPKLANVDLPYPASSRLQELLAVLLRMA BQLAWLRVLRDKRSVVKHIGDLLQHRQSLVRSAFRDGTARVET REKKEPPGWSGQGESEGVGNNSLGLPQGRKPASPALLLPFCMLKS PKRICFVPPVSTVTGDNISDSIEBQYLRTPOEVRDPQRAQAAR QAATSVPNPP
6507	1878	929	RSHASRLPELPSGCLVLQVQELVQMSGMEATVTIPIWQNKPHGA ARSVVRRIGTNLPLKPCARASFTLENISDCLRDVPPVPTLAD IANIAADEEBETARVRSDDRPLRHTWKPSPLIVMQRNASVPNLR GSEERLLALKKPPALPALSRTTELQDELSHLSQIAKIWAADAAS ASLTDFLSPGSSNVSSPLPCFGSSPHSTTSFVISDITETEVE VPELPSVPLLCSASPECCKEPKAACSSSEEDDCVSLSKASSFA DMMGILKDFHRMKQSQDLNRSLLKEEDPAVLI SEVLRKFKALKE KDISRKGN
6508	862	342	WEARKRPQRWPSERREVRVPPHILQGRSGLEPGTFRMAAARP SLGRVLPSSSVLFLCDMQEKFRHNIAYFPQIVSVAARMLKNTTL DLLDRGLQVHVVDACSSRSQVDRVLVALARMRQSGAFISTSEGL ILQLVGDAVHPQFKETQKLIKEAPADSGLLGLFGQNSLLH
6509	2	1053	FVWNPRGGRKRRRQAATVQAATRASGTPSPEDGTMTQKLSVAN KAPGTGQQQVHGEKKAPAVPSAPPYSYEATSGEGMKAGAFPP APTAVPLHPSWAYVDPSSSSSYDNGFPTGDHELPTTFSWDDQKV RRVFRKVYITILLIQLLVTLAVVALFTFCDFVKDYVQANPGWYV ASYAVFFATYTLTACCSGPRRHFPWNLILLTVFTLSMAYLTGML

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			SSYYNTTSVLLCLGITALVCLSVTVFSFQTKPDEFTSCQGVLFVL LMTLFFSGLLAILLPFYVPWHLHAYAAALGAGVFTLFLALDTQ LLMGNRRHSLSPEEYIFGALNIYLDIIYIFTFPLQLFGTNRE
6510	37	1156	PCALDGCPCQAGVHPLSSAMGLLAPLKTQFVHLHLLVGVFVVVS GLVINFPQLCTLALWVPVSKQLYRRINCLAYSLNSQLVMLLEHW SCTECTLFDTQATVERFGKBHAVIILNHNFRIDFLCGWTMCERF GVLGSSKVLAKBLLYVPLIGWTWYFLEIVFCRKKWEEDRDTVV EGLRRLSDYPEYMWPLLYCEGTRFTETKHRVSMVAAAKGLPVL KYHLLPRTKGFATTAVKCLRGTVAAVYDVTNFRGNKNPSSLGIL YGKKEYEADMVRRPFLIEDIPLDEKRAAQWLHKLYQEKDALQRIY NQKGMFPGEQFKPARRPWTLLNPLSWATILLSPLSPVLGVFPAS GSPLLILITFLGFVGAGNGHCR
6511	2541	1425	GEQPLAAAPTECLEQVIGGAGDPGTWASFPSPPLGPAPLKGGK TMATNPSDIVKQGYVKMSRKLGIYRRCLVFRKSSSKGPRLE KYPDEKSVCLRGCPKVTESNVKCVTRLPKETKRQAVAIIFTDD SARTFTCDSELEAEWYKTLSECLGSRINDISLGRPDLLAPGV QCEQTDRENFVLLPCPNLDVYGECKLQITHENIYLDIHNPRVK LVSWPLCSLREYGRDATRFTFRAGRMCDAGEGLYTFQTQEGEQI YQRVHSATLAIABQEKRVLLEMEKNVRLNKGTEHYSYPTPTT MLPRSAVWHHTGSONIABASSYAGEGYGAQASSETDLLNRFI LLPKPSPQODSSEAKTPSQ
6512	159	807	FGKKTWFPPLSRSLRVASGRSCKLGHGGYTSGPGPGEPDPSGA EVPSSGSGRATGCGRGVGRAGRGAPGSSIWKRKEPRMVCRTKTK TLVSTCVILSGMTNII CLLYVGWVTNYIASVYVRGQEPAPDKKL EEDKGDITLKIIRLDHLENVIKQHIQEPAPKPEAEAPPTDSS LFAHWGQQLSPEGRVRVALKQFYGYGNAYLSRLPLDRP
6513	2	756	FVSEPGFSLAQLNLIWQLTDTRQLVHSPABGQDQGSAYANRTA LFPDLLAQGNASRLRLQVRVADRGSTCFVSIRDFGSAAVSLQV AAPYSKPSMTLEPNKDLRPGDVTITCSSYQGYPEAEVFWQDGO GVPLTGNVTTISQMANEQGLFDVHSILRVVLGANGTYSCLVRNPV LQDAHSSVTITPQRSPTGAVEVQVPEDPVVALVGTDATLRCSF SPEPGFSLAQLNLIWQLTDTRQLVHSPABGQDQGSAYANRTALE PDLLAQGNASRLRLQVRVADRGSTCFVSIRDFGSAAVSLQVAA PYSKPSMTLEPNKDLRPGDVTITCSSYQGYPEAEVFWQDQGV PLTGNVTTISQMANEQGLFDVHSILRVVLGANGTYSCLVRNPVLQ QDAHSSVTITPQRSPTGAVEVQVPEDPVVALVGTDATLRCSFSP EPGFSLAQLNLIWQLTDTRQLVHSPFTEGR
6514	985	302	VGIPGPTISSAAEMKDLDDLOEELRYSLATSRAXMGRRRAQESA QARNHLNGKNSSLTLTGETSSAKLPRCQGGWAGDSVKASKFRR KASERIEDPRLRPQSLNGSDYGGDIP IIPDLLEVQEEFVLQVA APPSIQIKRVMTYRDLDNDLMKYSATQTLDBIDLKLTKVLAP EHEVRERNPSWQDDVGWDWDHLFTEVSSEVLTEWDPLQTEKEDP AGQARHT
6515	1345	305	GRVGSRRRGAAVPGGCGAGSTQLEVSASASCGALGSADNPITV VHGGGAGPISKORKERVHCGMVRAATVGYGILREGGSADVAVEG AVVALEDDPEFNGAGCGSVLNTNGEVEMDASIMDGKLSAGAVSA VQCIANPIKLARLVMEKTPHCPLTDQGAQFAAAMCVPEIPGEK LVTERNKKRLEKEKHEKGAQKTDQCKNLGTGVAVALDCKGNVAY ATSTGGIVNKMVGRVGDSPCLGAGGYADNDIGAVSTTGHGESIL KVNLAARLTFLHIBQGXTVBEAADLSLGYMKSRVKGLGGLIVVSK TGWVAKWTSTSMWAAAKDGKLFHFGIDPDDTTITDLP
6516	1	1402	FRRLRYLGQDATAAARDLRTGLQGYCPSATARQQVLSALQQL KGRRESEHRNENQEMPYSTNKLILGIMVGTAGISLLLLNYHKVR KPGIAMKLPEFLSGLNTFNSITLQDEIHDDQGTTFIQERQLQI LEKLNELLTNMEBLKEEIRFLKEAIPKLEBYIQDELGGKITVHK IS?QHRARKRRLPTIQSSATSNSSBEARESEGGYITANTDTREQS

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			FPVPKAFNTRVEELNLDVLLQKVDHLRMSSESGKSESPELLRDHK EXFRDEIEFMWRFARAYGDMYELSTNTQEKHYVANICKTLSERA INRAPMNGHCHLWYAVLCGYVSEFEGLQNKINYGHLFKHLDIA IKLLPEEPFLYVLKGRYCYTVSKLSWIRKKMAATLFGKIFSSTV QEAHLNFKAEELCPGYSNPNMYLAKCYTDLEENQNALKFCNL ALLLPVTVKEDKEAQKEMQKIMTSLKR
6517	3	1414	GRVWGSSSLNANVYVRGHAEDYERWQROGARGWDYAHCLPYFR KAQGHBLGASRYRGADGFLRVSRGKTNHPLHCAPLEATQQAGYP LTEDMNGFQOEGFGWMDMTIHEGKRWSAACAYLHPALSRTNLKA EAE TLVSRVLFECTRAVGVRVYKNGQSHRAYASKEVILSGGAIN SPQLLMLSGIGNADDLKKLGIPVVCHLPVGQNLQDHLIYIQQ ACTRPITLHSAQKPLRKVCIGLEWLKFTGEGATAHLETGGFIR SQPGVPHPDIOFHFLPSQVIDHGRVPTQAEAYQVHVGPMTSV GWLKLRSANPDHPVQPNYLSLTETDIEDFRLCVKLTREIFAQE ALAPFRGKELQPGSHIQSDKEIDAFVRAKADSAYHPSTCKMGQ PSDPTAVVDPQTRVLGVENLRVVDASIMPSMVSCNINAPTIMIA EKAADIKGGPALMDKQDVPVYKPTTLATQE
6518	242	1098	PAWNPGSEPRTRVRPRARSFELPPRAPRRRRHRLRAVPGPSR RHRCRRRAPPPSTMGDAGSERSKAPSLPPRCPGFWGSSKTMN LCSKCPADPQKQPDSDSAPSTNSQSDLFSEBTTSDNNNTSIT TPTLSPSQQLPTELNVTPSKKECGPCTDTAHVSLITPTARSC GTDSQSENEASPVKPRLLENTERSEBTSRSKQSRRCFCQQT KLELVQOELGSCRCGYVFCMLHRLPQOHDCTFDHMGROREAIM KMKLDRKVGRCQRIGEGCS
6519	3	1113	ERKMAEPPSPVHCVAAPATATVSEKEPFGKLQLSRDPPGSL AKKVRTEKKAPRRVNGEGSGGNSRQLQPPAAPSPQSYGSPAS WSFAPLSAAPSPSSSRSSFSFAGTAVPSSASASLSQPGPRKLL VPPTLLHAQPHHLLPAAAAAASANAKSRREKREKERRRHGL GGARRAGGASRENGEVKPLPRDKIKDKIKERDKEKEREKKKKH VMNEIKKNGEVKILKSGKEKPKTNIEDLIKKVKKKKKKKKH ENEKRRPKMYSKSIQITICGGLLTDVEDQAAGILNDNIKDYVG KNLDTKNYDSKIPENSEFPFVSLKEPRVQNNLKRDLTLEPKQLI HIEHQPNGGASVHCLQ
6520	3	1113	ERKMAEPPSPVHCVAAPATATVSEKEPFGKLQLSRDPPGSL AKKVRTEKKAPRRVNGEGSGGNSRQLQPPAAPSPQSYGSPAS WSFAPLSAAPSPSSSRSSFSFAGTAVPSSASASLSQPGPRKLL VPPTLLHAQPHHLLPAAAAAASANAKSRREKREKERRRHGL GGARRAGGASRENGEVKPLPRDKIKDKIKERDKEKEREKKKKH VMNEIKKNGEVKILKSGKEKPKTNIEDLIKKVKKKKKKKKH ENEKRRPKMYSKSIQITICGGLLTDVEDQAAGILNDNIKDYVG KNLDTKNYDSKIPENSEFPFVSLKEPRVQNNLKRDLTLEPKQLI HIEHQPNGGASVHCLQ
6521	184	1798	KLFKMATDTSQGLVHPKALPLIVGAQLIHADKLGEKVZOSTMP IRRTVNSTRETPPKSLAEGEBEKPBDISSEESVSTVEBQENE TPPATSSAEQPKGEPENBEKENKSSEETKDEKQSKSEKKEK VKKTIPSWATLSASQLARAQKQTPMASSPRPKMDAILTRAIKAC POKSGASVVAIRKYIIHKYPSLELERRGYLLKQALKRELNRGVI KQVKGGA9GSFVVQKSRKTPQKSRNRKRNSSAVDPEPQVKLB DVLPLAFTRLCEPKEASYSLIRKYVSQYYPKLRVDIRPQLKNA LQRAVERGQLEQITGKGASGTFLKKSSEKPLGGSLMEYAILS ALAAMNEPKTCSTTALKKYVLENHPGTNSNYQMHLKKTLOKCE KNGWMEQISGKGSGTFLCFFPYPSPGVLPFKKEPDDSRDEDE DEDESSERDSEDEPPKRRLOKKTAKSPKAAASVQKRGSKPA PKVSAQKRGKARPLPKKAPKAKTPAKKTRPSSVTIKKPSGGSS KKPATSAKKE
6522	1042	391	NKWLSPSPSRHTPESGRVLSLFLPLPPGMLSGSTPAPCWEED

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			ECLDYYGMLSLHRMFVVGGLTECELELLAFLLEAPGAGGL SRARSGKLKLLLELERRGQCDESNRLRLGQLLRVLARHDLPLHLA RKRRRPVSPERYSYGTSSSSKRTGSCRRRRQSSSSANSQQGSP PTTKRRRSRGRPSGGARRRRRGPPHPSSSQSPDPLKAK
6523	2	1097	ASCQTRRRRTAALDSGERIAGRRSPITALAMASNFDIVKQGYVKI RSRKLGI PRRCNLVFKKASSKGPRRLEKPPDEKAAAYFRNFHKVT ELHNIKNITRLPRETKKHAVAI IPHDETSKTFACESELEAEWC KHLCECLGTRLNDISLGEPLDLAGVQREQNERFNVYLMPTPN LDIYGECTMQITHENIYLWDIHNKVKLVWVPLSSLRRYGRDST WFTFESGRMCDTGEGLFTFQTREGEMIYQKVHSATLAIABQHER LMLEMEQKARLQTSLTEPMTLSKSI SLPRSAVWHHITRQNSVGE IYSLQGNHENRHSDLTGKSKCTSENRFLEENAPLVMYGITHHLF MDTSTCKVVHDL E
6524	2	1097	ASCQTRRRRTAALDSGERIAGRRSPITALAMASNFDIVKQGYVKI RSRKLGI PRRCNLVFKKASSKGPRRLEKPPDEKAAAYFRNFHKVT ELHNIKNITRLPRETKKHAVAI IPHDETSKTFACESELEAEWC KHLCECLGTRLNDISLGEPLDLAGVQREQNERFNVYLMPTPN LDIYGECTMQITHENIYLWDIHNKVKLVWVPLSSLRRYGRDST WFTFESGRMCDTGEGLFTFQTREGEMIYQKVHSATLAIABQHER LMLEMEQKARLQTSLTEPMTLSKSI SLPRSAVWHHITRQNSVGE IYSLQGNHENRHSDLTGKSKCTSENRFLEENAPLVMYGITHHLF MDTSTCKVVHDL E
6525	1	1859	GESPFSEKESIEFNPSSSGRSARTVSSNSFCDDTGWPFSSQSVS PVKTPSDAGNSPIGFPCPGSDGEGFTRKKCTIGMVGEQS IQSSRYK KESKSGLVKPGSEADFPSSSSSTGSI SAPEVHMSTAGSKRSSSR NRGPHGRSNGASSHKPGSSPSPREKDLLSMLCRNQLSPVNIHP SYAPSSPSSSSNGSYKSGDCSPIMRRSGRYMSCGENHGVPPNP EQYLTPLOQKEVTVRHLKTKLKEBRRRLHRESEI VELKSQLAR MREDWIEEBCHRVEAQLALKEARKEIKQLKQVIETMRSSLADKD KGIOKYFVDINI QNKLESLLQSMEMAHSGSLRDELCLDPPCDS PEKSLTLNPPLDTMADGLSLEEQVTGEGADRELLVGDSIANSTD LPDEIVTATTESGDLELVHSTPGANVLELLPIVMGQEEGSSVV ERAVQTDVVPYSPALSEL IQSVLQKLQDPCPSSSLASPESEPS MESFPESLSALVVDLTPRNPNASAILLSPVETPYANVDAEVHANR IMRELDFAACVEERLDGVIPLARGGVVRQYWSSSFLVDLLAVAA PVVPTVLWAPSTQRGGTPVYNIGALLRGCCVVALHSLRRTAFR IKT
6526	2	2034	SGRAGEPEEWGRGRIIDSKETWIPFNSEDSQQLERAYSSGKGCN GRVVPDGGRYDVHLGERMRVAVYWDELASEVRRCTWFKGDKD NKYVPYSEFSQVLEETYMALVTLDEWKKKLESNNREIILHNP KLMVHYQPVAGSDDWGSTPMEQGRPRTVKRGVENISVDIHCGEP LQIDHLVFPVHIGIPACDLRFPSIVQCVNDRSVSLNLLQTHFK KAQENQQIGRVEFLPVNWHSPHSTGVVDVLRITLPSINRLRH FTNDTILDVFFYNSTPYCQTI VDTVASEMNRITYTLFLQRNPDPK GGVSIAGHSIGSLILFDILTQKDSLGDIDSEKGSINIVMDQGD TPTLEEDLKKLQLEFPDI FEKEKVDKEALALCTDRDLQIGIP LGPRKKILNYFSTRKNSMGI KRPAPQASGANIPKESEFCSSSN TRNGDYLDVGIGQVSVKYPRLIYKPEIPFARGSPIGMFLTVRGL KRIDPNYRFPPTCKGFENIYHPDPVAYRIEPMVVPGEVEPMLI PHHKGKRMHLEBLRGLTRMSMDLKNVLLGSLRMANKSFTRAPY PALQASETPEETRAEPESTSEKPSDVNTEETSVAVKEEVLPIV GMLNGGQRIDYVLQEKPIESFNEYLPALQSHLCYWESEDTVLLV LKRIYQTQGIPLDQPLQ
6527	1	922	GNVPLLSRLPSDACKIYKQGINIRLDTTLIDFTDMKQQRGDL S FIFNGDAAPSESFVVLONBQKVYQRIHHEESEMTTEEVDI LMS SDIYSATLSTKSI SFTRAQTGWLFREDKTERVCNFLADFYLVNG

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			LVLESRRKRREHLSEEDILRNKAIMESLSKGGNIMEQNPEPIRRQSLTPPPQNTITWEEYISAENGKAPHLGRELVCRESKCTFKATIAMSQEPFLGIELLLNVLEVVPFFKHFNKLREFVQMKLPPGFPVKLDLPVFPITATVTFQRFYDFDGSIFTIPDDYKEDPSRFPDL
6528	1	1073	LTGPAAAEPRCAADAGMKRALGRKRGVWLRRLKTLFCVLGLYIAIPFLIKLCPGIQAKLIFLNFVRVPYFIDLKKPQDQGLNHTCNYYLQBEEDVTIGVWHTVPAVWKNAGQKQDMYEDALASSHIPILYLHGNAGTRGODHRVELYKVLSSSLGYHVTFDYRGWGSVGTPESEGMITYDALHVPDWIKARSGDNVYIWHSLGTGVATNLVRRLCE RETPPDALILESPTNIREBAKSHFPVYIYRYPGDFWFFLDPI TSSGKIFANDENVKHISCPILLHAEDDPVVFQGRKLYSTAA PARSPROFKVQFVPFHSDDLGYRHKYTYKSPELPRILREFLGKSE PEHQH
6529	363	2215	THIRYNKIGVVKTMSOGNEFVETLKKIGYPKADNLNGEDFDWLF EGVEDESFLKWF CGNVNEQNVLSERELEAFSILQKSGKPILEGALDRALKTKCTSDLKTPRLDDKELEKLEDBVQTLKLNKLIQR RNKQQLMASVTSKSLRLNAKEERATKKLQSQGILNAMITKIS NELQALTDEVTOLMMFFRHSNLGQGTNPLVFLSQFSLEKYLSE EQSTAALTLYTKQFFQGIHEVVESSESQFPFNFKIQTPSICD NQRIEERRELEMARLOLAYICAQHQLIHLKASNSSMKSSIKWAE ESHLSLTSKAVDKENLDAKISSITSEIMKLEKEVTQIKORSLPA VVRENAQLLNMPVVKGDFDLQIAKQDYTTARQBLVLNQLIKQKASPELLQLSYEIELRKHRDIYRQLENLVQELSQSNMMLYKQLEML TDPSSVSQINPRTIDTKDYSTRLYQVLEGENKKKELEFLTHGN LEEVAEKLKQNISLVQDQLAVSAQEHSSFFLSKRNKQVDMLCDTL YQGGNQLLLSDQELTEQFHKVESQLNKLHLLTDILADVKTARK TLANNKLHOMEREFYVYFLKDEDYLDKDIVENLETQSKIKAVSLD
6530	128	2986	GAHHGATVQVHPLPGSSTIMIHDLCLVFPAPAKAVVYVSDIQ RLYIRVVVDKVEIGKTVKAYVRVLDLHKKPLAKYFFPMDLKLRA ASPITLVALDEALDNYTITFLIRGVAIGQTSLTASVTNKAGQR INSAPQQIRVFPFPRIMPRKVTLLIGATMQVTSBGGPQPQSNIL FISISNESVALVSAAGLVQGLAIGNGTVSGLVQAVDAETGKVVI SQDLVQVEVLLLRVIRIRAPIMRMRTGTQMPIYVTGITNHQNP SFGNAVPGITFHWVTKRUVLDLRGRHHEASIRLPSQYNFAMNV LGRVGRGTGLRAVVKAVDPTSGQLYGLARELSDEIQVQVFELQ LLNPEIEAEQILMSPNSYIKLQTNRDGAASLSYRVLDGPEKVPV VHVDEKGPLASGSMIGTSTIEVIAQEPFGANQTIIVAVKVSFVS YLRVMSPLHTQNKALVAVPLGMTVTFVHFIDNSGDUVFAH SSVLNPATNRDDFVQIGKGTINNTCVVRTVSVGLTLRLVWDAXH PGLSDFMPLPVLQATSPELSGAMVVGDLCLATVLTSLLEGLSGT WSSANSILHIDPKTGAVARAVGSVTVYEVAGHLRTYKEVV SVPORIMARHLHPITQSPQBATASKVIVAGDRSSNLRGCTPT QREVIQALHPETLISCQSQFKPAVDFPQSDVPTVEPQFDALG QYFCSITMHLTDKQRKHLMSKKTALVVSASLSSESHFSTEQVGA EVPPSPGLFADQAEILLSNHYTSSEIRVFGAPEVLENLEVKSGS PAVLAFAKEKSPGWPSPFITTYGVLDPAAGSQGPLSTTLTFSSP VTNQALAIPTVAVFVDRRGPGPYGASLFQHFLLDSYQVMFFTLF ALLACTAVMIYAYHTVCTPRDLAVPAALTFRASEGHSPHYFAAS SPTSPNALPPARKASPPSGLWSPAYASH
6531	845	1425	PSASIPPSASDPVDPDIRTCHFLVEDPSVGCISGSEKCTISSS SLCMVITIIYDVKVRFIVRGCGQYISYRCOEKRTNYFABYVYQA QCCQYDYCNSSPQLQSSLPEDHRPLALPLSDSQIQWIFYQAL NLSLELPNFHAGTEPDGLDPMVTLSLNLGLSPAELRRMYLFLNS SGLLVLPQAGLLTPHPS
6532	2	954	AAGPPSEVVNQSLFPEPEPGPAPQVLGLPGQPGPLTKGVAPPTL

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			ITDSTGTHLVLTVTNKNHSPGLSRGSPQQPSSQPGSPAPAPSA QMDLEHPLQPLFGTPTSLKKEPPGYEAMSQPKQENGSSSQ QMDDLFDILIQSGEISADFKPEPSLPGKEKPSKPTVCWSPLAAQ PPSAELPQAAPPFGSPSLPGRLDFLESSTGLPLTSGHDGP EPLSLIDDLHSQMLSSTAILDHPPSPMDTSLHFPVPEPSSTMGL DLADGHLDSMDWLELSSGGPVLSLAPLSTTAPSLFSTDFLDGHD LQLHWDSC
6533	1798	373	STISWLARVEPPRRSSGVGAARLFPFGSRPLRARACVLALAVL ALLERNNADMSAHSMLCERIAIAKELIKRAESLSRSRKGIEG GAKLCSKLKARKLFLQKVRAGKVAIKESHLQSTNLTHLRIVES AENLEEVSVILHVFYTDTLGKQTLVVDVVANGGHTWKAIGR KAEALHNIWLGRGQYGDKSIIEQAEDFLQASHQPPVQYSNPHII FAFYNSVSSPMAEKLKEMGISVRGDIVAVNALLDHPERLQPS ESDDGPELLQVTRVDRENILASVAPTEIRKVDVCKRVNLDITT LITYVSALSYGGCHFIFPKKVLTEQAEQERKEQVLPQLEAFMKD KELFACESAVKDPQSILDTLGGPGERERATVLIKRVNVPDQPS ERALRLVASSKINSRSLTIFGTGDTLKAITWTANSQFVRAANNO GVKFSVFIHQPRALTRSKEALATPLPKDYTTDSEH
6534	47	596	KATRFISAAFFVVLNKGQVSPAKLPHTSWSWSLQTLSPFLSGDLA EKSQCFPCSAMLELIPLLGTHFVLRTARAQSVTQPDIIHITVS EGASLELRNYSYGATPYLFWMERTVEEAPILLVCLKPWRVASS LEKKEKEDESPQLLLGSRYNVLKACHLLPLIRWLTSGDSLLSAQ PHCPQGL
6535	250	964	LKTFTRDVAIQRDLLPKENLETLLTAPLEIDKAFSSHARLS ADATLLTSGTTATVALLRDGIELVVASVGDSRAILCRKGKPMKL TIDHTPERKDEKERIKKCGGFVAMNSLGQPHVNGRLAMTRSIGD LDLTSGVIAEPETKRIKLHADDSPFLVLTDTGINFMVNSQEIW DFNQCHDPNEAAHAVTEQAIQYGTEDNSTAVVVPFGANGKYKN SEINFSSRSFASSGRWA
6536	242	1174	SLVKEMTINQYGLFKQEOAHDDAIWSVAWGINKKENSETVVTGS LDDLKVKVWQRDRERLDLQWSLEGHQLGVVSDISHTLPIAASS LDAHRLWDLNGKQIKSIDAGPVDATLAFSPDSQYLATGTHV GKVNIFGVESGKKEYSLDTRGKPILSIAYS PDGKYLASGAIDGI INIFDIATGKLLHTLEGHAMPIRSLTSPDSQLLVTAASDDGYIK IYDVQHANLAGTSLGHASWVLNVAFCPDDTHFVSSSSDKSVKVV DVGTRTCVHTPFDDHQDVWGVKYNKNGSKIVSVGDDQBIHIYDC PI
6537	1638	921	NRFNPPPTQGPDSLVYRPDVPDEVAKDASFRNYTSGPILDRV FTTYKLMHTHTQTVDFVRSKHAQFCGFSYKKMTVMEAVDLDGLV DESDPDVPDFNSFHAFTAREGIRKAHPDKDNFHLVGLLHDLGKV LALFGEPPQWAVVGDTPPVGCRPQASVVFCDSTFQDNPDLDQPRY STELGMYQPHCGLDRLVMSWGHDEARGGQWGGGGRWGTVGCGG AEAVPAGDTLSPQSTCTR
6538	3345	2412	PYLVDFLDALITCQTAPERAFIKLDGLAGMLTBQLRRLTKQVQR ARHNRDDEAIKKA VNEYDETMKEYIPVLMAQAKIYWNLENYPMV RKIPRKSVEFCNDHDVWKLNVAVHVLPMQENKYKEAIGFYEPVK KHYDNI LNVSATVLANLCVSYIMTSQNEKAEEIMRKIEKEBEQL SYDDPNRMYHLICIVNLVIGTLYCAGNYRFGISRVIKSLBPYN KKLGTDTWYAKRCFLSLENMSKHMIVIHDSVIQECVQPLGHC ELYGTNIPAVIEQPLEEERMHVGNKNTVDRSRQLKALIYEIIGW NK
6539	218	339	FLGAASPHPHFSSLAPHPDQPEFTPVQDELAMELWGPV
6540	3	391	LERLWLLLLRRPEDAMAECP TLGEAVTDHPDLWAEKVVYLDE KQHAWLPITIEIKDRLQLRVLLRRRDVVLGRPMTPTQIGPSLLP IMWQLYDPGRYRSSOSSFWRLVYHIKIDGVEDMLLELLPDD

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6541	1165	536	RTLVRRIIMLLRKPARGRDLEGRGCTPRGGRKGLLPTDDEFP RFEGGRKPDSDGNREPGPGHEHFRDTPRPDHPHGHSPASRE RSSSLQGMDMASLPKRKPWHDGPGTSEHREMEAPGGPSEDRGG KGRGGPGPAQRVPKSGRSSSLDGEHHDGYHRDEFGGPPGSGTTP SRGGRSGSNWGRGSGNMNSGPFRRGASRGGGGRGR
6542	3	3775	SWPRGRGETCGHFGALRTRTMQKSVRYNEGHALYLAFLARKEGT KRGFTLSKKTAESRWHEKWPALYQNVLFYFEGEQSCRPMYLL EGCSCBRTAPPAGAGQGGVRDALDKQYYFTVLFGHEGQKPLE LRCEEEQDGKEWMAIHQASYADILIEREVLQKQYIHLVQIVET EKIAANQLRHQLEDQDTEIERLKESEIALNKTKERMMPYQSNQE DEDDPIKKIKKVQSFMRGWLCKRRKNKTIVQDYICSPHAESMRKR NQIVFTMVAESBYVHQLYTLVNGPLRPLRMAASSKKPPISHDD VSSIPLNSETIMFLHEIPHQGLKARIANWPTLILADLFDILLPM LNIYQEFVRNHQYSIQVLANKQNRDFOKLLKQYEANPACEGRM LETFLTYPMFQIPRYIITLHELHAHTPHRHVERKSLBFAKSLR ELSRVMHDEVSDTENIRKNLAIERMIVEGCDILLDTSTQTFIRQC SLIQVPSVERGKLSKVRGSLSLKKEGRRQCFLTKHFLICTRS SGGKLHLLKTGGVLSLIDCTLIEEPDASDDSKSGQVFGHLDP KIVVRPPDRAAFTVLLAPSRQKKAAMMSDISQVDNIRCNGLM TIVFEENSKVTVPHEIKSDARLHKDDTDICPSKTLNCKVQPIR YASVERLLRLTDLRFLSIDPLNFTLHTYRIFTAAVVLGKLS IYKRPFTSIPVRSLELFFATSQNNRGEHLVDGKSPRLCRKFSSP PPLAVSRTSSPVRARKLSLTSPINSKIGALDLTSSSPTTTTQS PAASPPHTGQIPLDLRGLSSPEQSPGTVEKNVNDPRVDLCNK LKRISQKAVLESAPADRAGVESSPAADTTELSPCRSPTPRHLR YRQPGQTADNAHCSVSPASAFATATAAGHGSPPGFENNTERTC DKEFIIRRTATNRVLNVLRRHVVSKHAQDFELNNELKMNVLNLE EVLDPDLQPQRKAAANILMALSQDDQDDIHLKLEDIQMTDC MKAECFESLSAMELAEQITLLDHVIFRSIPYEFLGQGWMLDK NERTPYIMKTSQHENDMSNLVASQIMNYADVSSRANAIEKWVAV ADICRCLHNYNGVLEITSALNRSATYRLKKTWAKVSKQTKALMD KLQKTVSSSEGRFKNLRETLKNCNPPAVPYLGMVLTDLAFIEBGT PNFTIEGLVNFPSKMRMISHIIRIRQFPQOTSIRIDHQPKVAQYL LDKDLIIDBDTLVELSLKIEPRLPA
6543	1857	950	FVSGCGRAGIGLSWMAAARVSRWYFGGLASCGAACCTHPLDL LKVHLQTQQEVKLRMTCMALRVVRTDGIILALYSGLSASLCRQMT YSLTRFAIYETVRDRVAKSGQPLFPHEKVLGSSVGLAGGFVG TPADLVNVRMNDVKLPQGORRNYAHALDGLYRVAREEGLRLRF SGATMASSRGALVTGQLSCYDQAKQLVLSTGYLSDNIFTHFVA SFIAGGCATFLCQPLDVLKTRLMNSKGEYQGVFHCARETAKLGP LAFYKGLVPAGIRLIPHTVLTFFVLEQLRKNEFGIKVPS
6544	630	79	PSPCPFRSLDQGPWMAGLEANLSQNFSLHQPSRVRRRASIS BPSDTPPEPRTLNPSPAGWVQHPLELMSSFRERFGRNWLQY RSHLEPSGNPLPATPTTSAPSAPPASSQGPDTAPRSPPOBEAR GPQESPPQKMSEBVRABPQBEKEKEGKEKEEGEMAPLPEAHLG EGKQKECP
6545	176	560	PPHSHAALLPAAMTPLLTLLVLMGLPLAQALDCHVCAYNGDN CFNPMRCPAMVAYCMTTRTYTTPTRMKVSKSCVPRCFETVYDGY SKHASTTSCQYDLNCTGLATPATLALAPILLATLWGLL
6546	1657	364	HLNLGLDEVAAPFVADLGAIVRKHFCLKCLPRVRPFYAVKCS SPGVKVLALQGLGFSKANKAEMELVQHIGIPASKIICANPCQ IAQIKYAAKHGIQLSFDNEMELAKVVKSHPSAKMVLCIATDSD HSLSCLSLKFGVSLKSCRHLENAKHHVEVVGVSFHIGSGCPD PQAYAQSIADARLVFEMGTGLGHKMHVLDLGGGPGTBEAKVRF EIASVINSALDLYFPFGCGVDIFARLGRYVTSAPTVAVSIIA KKEVLLDQGREENGSTSKTIVYHLDGEGVYGFNSVLFDNICP

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			TPILQKKPSTEQPLYSSSLWGPVAVDGCDCVAEGLWLPQLHVGDWLVFDNMGAYTVGMGSPFWGTQACHITYAMSRVAWEALRRQLMAAEQEDDVEGVCKPLSCGWEITDTLCVGVFTPASIM
6547	1	541	LHSKYLPALCSQPGMMRCCRRRCRQPPHALRPLLLPLVLLPPLAAAAAGPNRCDTIYQGFACLIKLGDSMGRGGELETICRSWNDFHACASQVLGGCEBAARAVESLQOEAROAPRPNLHLCGAPVHVRERGTGSETNQETLRATAPALPMAPAPPLAALALAYLLRPLA
6548	2	219	FVSRLSVRDVREPTFLGGHGADAMHTDPDYSAAYVPIETDAEDGIKGCGITFTLGKGTVEGELKILSRFQNA
6549	73	1490	RTGRVCEADARPACGSRSSRRRRKEAAGIPTSPSSSSPTSSRPARAFSKAPARLSRPRAREPPDPGRXYIQBEI IQARKHKLKMCSSVAAKLWFLTDRIREDYPQKELRALKAKCCEELDFRAVVMDEVVLITIEQGNLGLRINGELITAYPQVVVVVPTFWVQSDSDITVLRHLEKMGCRMLNRPQAILNCVNKFWTFQRLAGHGVLPDPTFSYGGHNPFAKMDIARVLEFPVVKNTGRHGRKAVFLARDKHHLADLSHLIRHEAPYLFQKYVKESHGRDVRVIVVGGVVGTMRLCSTDGRMQSNCSLGGVGMCSLSEQKQLAIQVSNILGMDVCGIDLLMKDDGSPFCVCRANANVGPIAPDKACNLVDAGI IADYAASLLPSGRLTRRMSLLSVVSTASSETSEPELGPASTAVDNMSASSSSVDSDPESTERELLTKLPGGLFNMNQLLANEIKLLVD
6550	2293	922	FRVSRDGPDCGIEQMGMLAMEHGGSYARAGGSSRGCWYLLRYFFLFVSLIQFLI ILGLVLFMVYGNVHVSTESNLQATERRAEGLYSQLGLTASQSNLTKEINFTTRAKDAIMQMNLNARRDLDRINASFRCCQGDVITYTNNQRYMAAII LSEKQCRDQFKDMNKS CDALLFMLNQKVKTLEVEIAKEKTICTDKESVILNKRVAEQVCEVKTRELQHOERQLAKEQLQKVALCLPLDKDKFEMDLNRLNRDSTIIPRLDNLGYNLYHPLGSEILASIRACDHMPSLMSSKVEELARSLRADIERVARENSDLQOKLEAQGLRASQEAQKVEKEAQAREAKLQAECSRQTQLALEEKAVIRKERDNLAKELKEKKREAEQLRMELAIRNSALDTCIKTKSQPMMPVSRPMGPVPPNPQPIDPASLEEFKRKILBSQRPPAGIPVAPSSG
6551	157	748	IQPPDPRNMTLAAYKEKMKELPLVSLFCSCFLADPLNKSSYKYB ADTVDLNWCVISDMEVIBLNKCTSGQSFEVILKPPSFDGVPFEPN ASLPRRRDPSLEETQKKLEAAEERRKYQAEILLKHLAEKREHER EVIQKAEENNNFIKMAKEKLAQKMSNKENREAHLAAMLERLQ EKDKHAEVRKKNKELKEASR
6552	157	748	IQPPDPRNMTLAAYKEKMKELPLVSLFCSCFLADPLNKSSYKYB ADTVDLNWCVISDMEVIBLNKCTSGQSFEVILKPPSFDGVPFEPN ASLPRRRDPSLEETQKKLEAAEERRKYQAEILLKHLAEKREHER EVIQKAEENNNFIKMAKEKLAQKMSNKENREAHLAAMLERLQ EKDKHAEVRKKNKELKEASR
6553	2	1807	FVSRMAAHL SYGRVNLNVLREAVRRELREFLDKCAKAI VWD EYLTGPFGLIAQYSLLEHEVEKMF TLRGNRLPAADVKN I IFFV RPRLELMDI IAE NVLSKDRRGPTTRDPHILFVPRRSLLCQRLKD LGVLGSPFIHREYSIDLIPFDGDL S MESEGA FKCYLEGDQTS LYHAAKGLMTLQALYGTTPQIFGKGECAQVANNMIRMKREFTG SQNSIFFVFDNLILLDRNVLDLTPLATQLTVEGLIDEIYGIQNS YVKLPPEKFAPKKQGGGKDLPTRAKKLQLNSAERLYAETIRDKN ?NAVGSVL SKKAKI ISAAFEERHNAKT VGEIKQFVSQ LPHMQAA RGS LANHTSIABL KDVTTS E DFFDKLTVEQBFMSGIDTDKVN YIEDCIAQKHS L I KVLRLVCLQSVCSGLKQKVLDYKREILQT YGYEHILTLENLEKAGLLKPQTGGRNNYPTIRKTLRLWMDVNE QNPDTISYVYSGYAPLSVRLAQLLSRPGWRSIEEVLRITLPGPHF BRRQPLPTGLQKKRQPGENRVTLIFFLGGVTFABIAALRFLSQL EDGGTRYVIATTKLMNGTSWIBALMEKPF

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6554	119	1244	FEMGSQVSVESGALHVVIVGGGFGGIAAASQLOALNVFFMLVDM KDSFHHNVAALRASVETGPAKKTFFISYSVTFKDNFRQGLVVGID LKNQMVLQGGGALPFSHLILATGSTGPPGKFNESVSSQAAIQ AYEDMVRQVQRFRFVVVGGSGAGVEMAAEIKTEYPEKEVTLIH SQVALADKELLPSVRQEVKEILLRKGVLILLSERVSNLEELPLN HYREYIKVQTDKGTAVATNLVILCTGIKINSSAYRKAFESRLAS SGALRVNEHLQVEGHSNVYAIGDCADVTPKMAIYLAGLHANIAV ANIVNSVKQRPLQAYKPGALTPLLSMRNDGVGQISGFYVGRIM VRLTKSRDLFVSTSWKTMRSPP
6555	1552	498	IHMALLRKINQVLLFLFLIVTLVILYKKVHKGTVPKNDADDESE TPEELEREIPVVICAAAGRMGATMAAINSIYSNTDANILFVVG LRNTLTRIRKWIHESKLRINFKIVEFNPMLGKGIKIRPDSSRPE LLQPLNFRVFPYLPILLHQHEKVIYLLDDVIVQGGDIQELYDTTLA LGHAAPSDDDCDLPSAQDINRLVGLQNTYMGYLDYRKKAIKDLG ISPSTCSFNPGVIVANMTTEWKHQRITKQLEKWMQKNVEENLYSS SLGGGVATSPMLIVFHGKYSTINPLWHIRHLGWNPDARYSEHFL QKALLHNNGRHKPWPDPFVSHNDLWESWFPDPAGIFKLNHHS
6556	241	1449	ASLCKGCFVTVHVLVILPILQSPPTFFGLLDIDGVLVRGHRVI PAALKAFRRVNSQGLRVPVVFVNTAGNIIQHSKAQELSAIIQ CEVDADQVILSHSPMKLFSEYHEKRLVSGQGPMVENAQGLGFR NVVTVDLRLMAFPLLDMDLERRLKTTPLEPNDFFRIEGLVLLG EPVRWETSLLQIMDVLLSNGSPGAGLATPPYPLPVLASNMDDL WMAEAKMFRFGHTFLLCLETIYQKVTGKELRYEGLMGKPSILT YOYAEGLIRRQAERRGWAAPIRKLYAVGDNPMDSVYGANLFHQY LQKATHDGAPELGAGGTQQQPSASQSCISILVCTGVYNPRNPQ STEPVLGGGEPFFHGHRLDLCFSPGLMEASHVVNDVNEAVQLVFR KEGWALE
6557	2598	1534	RMCGRTSCHLPRDVLTRACAYQDRRGQRLPEWRDPDKYCPSYN KSPQSN9PVLRLSRHFEDADSSERIAPMRWGLVPSWFKESDP SKLQFNTTNCSDTVMEKRSFKVPLGKGRRCVVLADGFYEWQRC QGINQRQPYFYFPQIKTEKSGSIGAADSPENWEKVDNWRLLT MAGIFDCWEPPEGGDVLYSYTIITVDSCKGLSDIHRMPAILDG EBAVSKWLDGFEVSTQEAALKLIHPTENITFHAVSSVVNNSRNT PECLAPVDLVVKELRASGSSQRMQLQWLATKSPKKEDSKTPQE ESDVQPWSSQFLQKSPLPKRGTAGLLEQWLKREKEEPVAKRP YSQ
6558	21	1138	FHGRRRGGRKMEGLSCLEGGREAAREEGEPVKKRRLLCVRFAS VASCDAAVAQCFLAENDWEMERALNSYFEPVVEESALERRPETI SEPKTYVDLTNEETDSTTSKISPSEDTQENGSMFSLITWNID GLDLNLSERARGVCSYLALYSPDVIFLQEVIPPYSYLKKRSS NYRIITGHEEGYPTAIMLKSRVKLSQEIIPFPSTEMMRNLLC VHVNVSGBELCLMTSHLESTRGHAAERMNQLKMLKKMQEAPES ATVIFAGDTNLRDREVTROGGLPNNIVDVWEFLGKPKHCQYTND TQMNSNLGITAAACKLRFDRIFPRAAAEBGHIIPRSLDLLGLEKL DCGRFSPDHNGLLCNLDIIL
6559	3	364	GPGLSGLPTRPKLKANQTPIAMDCASRSCSVPTGPATTICSS DKSCRCGVCLPSTCPHTVWLLPCTCDNCPPCHIPQPCVPTCF LLNSCQPTPGLTLLNTFTTQPCCEPCLEPRGC
6560	3	1435	TATSGGIWLRKRWCHWRPLPQSCVGTGGGLQVRDTSRIAKG GVDHTKMSLHGASGGHERSDRRSSSDRSRDSSHERTESQLTPC IRNVTSPTRQHHVEREKDHSSSRPSPRPQKASPNGISISSAGNS SRNSSQSSSDGCKTAGEMVFVYENAKGARNIRTSERVTLIVD NTRFVVDPSIFTAQPNMTLGRMFGSGREHNPTRPNKEGEBEYVAR GIGSTVFRAILDYKGTGIRCPDGISIPELREACDYLCISFEYS TIKCRDLSALMHLNSNDGARRQFEBYLEMILPLMVASQAQSGER ECHIVVLTDDDVDWDDEYPPQMGEYSQIISTKLYRFFKYIE

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			NRDVAKSVLKERGLKKIRLGIEGYPTYKEKVKRPPGGRPEVTYN YVQRPFIRMSWKEEGKSRHVDQCVKSKSITNLAAAAADIPQD QLVVMHPTPQVDELDILPIHPSPGNSDLDPDAQNPM
6561	3	1086	PGRRFRKRSSSRWFADCLLGLRGFPASSLLSPSPSPWFSHS PCMAALTDLSPMYRNFKNCNLVGNLSEKVFITGCDSCFGNLL AKQLVDRGMQVLAACFTEBGSQKLQRDTSYRLQTTLLDVTKSES IKAAQWVRDKVGEQGLWALVNNAGVGLPSGNEWLTRODFVKV INVNLVGLIEVTLHMLPMVKRARGRVNMSSSGRVAVIGGGYC VSKPGVEAFSDSIRRELYYFGVKVCIIEPGNYRTAILGKENLES RMKRLWERLPOETRDSYGEDYFRIYTDKLNIMQVAPRVRDVI NSMEHAIVSRSPRIYRNPGLDAKLLYIPLAKLPTPVTDFTLSRY LPRPADSV
6562	1	1562	MSTLYDIRAKKAQLLRFPASSDENKALEQRRTLHTPKLEHLDRV LYEWFLGKRSEGVFVSGPMLIEKARDFYEQMLTEPCVFSGGWL WRFKARHGIKKLDASSEKQSAHQAAEQFCAFFRSLAAEHGLSA EQVYNADETGLFWRCILPNPTPEGGAVPKQKQKDRLTVLMCANA TGSRLKPLAIGKCSGPRAFQIQLPVAQKQANAVDKKIFPS DWFHIFVPSVREHFTIGLPEDSKAVLLDSSRAHQEAELVS SNVFTIFLPASVASLVQPMQGIKRDPMRNPINPPVPLQGGPHAR YNNMDAIFSVACAWNAVPSHVFRRAWKRLWPSVAFAGSSSEBE LEACEFPVKPHNKSFAHILELVKEGSSCPQLRQQAASWGVAG REAEGRPPAATSPABVVWSSEKTPKADQDGRGDPGEGEVAVAE QAAVAEDAVLRFAERQPCFSAQVVGQLRALRAVFRSQQVRRRR GALGAUVKVEALQEGPGGCGATAQSPLPCSSTAGDN
6563	1319	2694	LARPAQVLLREBEGAGPPVPAHGLVHHLQCGHLRERAHDPLEA HEHPLPCDOMFWRQMGHGLRMVANSRGVVGIGYDHTANVYTG GYGGGCFQGLASSTSNITYQSDVKCVHIYENQRWNPVTGYTSRG LPTDRYMSDASGLQECTKAGTKPFSLOWAVVSDWFDVFSVEGG TDQEGWQYASDFPASVHSGKTMKDFVRRRCWARKCKLVTSGPWL EVPPIALRDVSIIPESPGAGSGHSIALWAVSDKGDVLCRLGVS ELNPAGSSWLHVGTQDFASISIGACVQVWAVARDGSAFYRGSV YPSQPADGCWYHIPSPPRQLKQVSAGQTSVYALDENGNLWYRQ GITPSYPQGSSEHVSNNVCRVSVGLDQVWVIANKVQGSLSLS RGTVCHRTGVQPHEPKHGWDYIGGGWDHISVRANATRAPRSS SQEQEPSAPPEAHGPVCC
6564	1	975	APGSCALWSYCGRGWSRAMRCQQLGLRSSWPGDILLSARLLSQE KRAASTHFGPETVSEEEKGKVYQVFESVAKKYDVMNDMMSLGI HRVWKDILLWKMHPLEGTQLLDVAGGTGDIAPRFLNYVQSQHQR KQKRQLRAQONLSWEEIAKEYQNEEDSLGGSRVVVCINKEMLK VGKQKALAQGYRAGLAWVIGDAEELPFDDDKFDIYTLAFGIRNV THIDQALQSAHRVLPKGRFLCLBFQVNNPLISRLYDLYSPQV IFVLGEVIAGDNKSYOYLVESIRRFPSQEEFKDMIEDAGPHKVT YESLTSGIVAIHSGFKL
6565	1464	999	RSVAVNGLTKRRMGLKNGRYISLILAVQIAYLVQAVRAAGKCD AVFKGFSDCLLKLGDSMANYPQGLDDKTNIKTVCTYWNEDFHSCT VTALTDQCEGAKDMWDKLRKESKNLNIQGSFLFELCGSGNGAAGS LLPAFFVLLVSLAALATWLSF
6566	3	1385	KYESAQPGGTQPEPGLGARMATHKALVMCLGLPLFLPPGAWAQG HVPPGCSQGLNPLYNLCDSGAWGIVLEAVAGAGIVTTFTVLT ILVASLPFVQDTKKRSLLTQVFFLLGLTGLFCLVFACVREKPDF STASRRFLFGLFALCFSLAAHVFAINFLARENHGPGRGVIF TVALLLTVEVIINTEWLIITLVRSSEGGPQGNSSAGNAVASP CAIANMDFVMALIYVMLLLGLAFLGAWPALCGRYKRWKRGVVF LLTTATSVAIWVVMVMTYGNKQHNSTPNDPTLALALANAN AFVLEFYVIVEVSQVTKSSPEQSYQGDMPYTRGVGYETILKEQKG QSMFVKNKAFSMDPEVAARKRPVSPYSGYNGQLLTSVYQPTMAL

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			MHKVPSEGAYDIIIPRATANSQVMGSANSTLRADMYSAQSHQA ATPPKDGKNSQVFRNPYVWD
6567	125	863	TKRSNLKAYACSIIHIRTMSYVFNDDSSQTNVPLLQACIDGDFN YSKRLLSESGFDPNIRDSRGRTGLHLAAARGNVDTICQLLHKFGAD LLATDVQGNLALHLGHDVTIQPLVSNGLKIDICNHQGATPLVL AKRRGVNKDVIRLLESLEEQEVKGFNRGTHSKLEMTQTAESESA MHSLSLLNPNLQQGEGVLSFRFTWQEFVEDLGFWRVLLLIFFVI ALLSLGIAYVSGVLPFVENQPBVLH
6568	3	1183	HASDRLLVLPDNYSHFSQASANLQGPSRTTELPHPTLASISSPM LEGARLYFNVDHGYLEGLVRGCKASLLTQDDYINLVQCETLEDL KIHLLQTTDYGNFLANHTNPLTVSKIDTEMKRRLCGEPBYFRNH LEPLSTFLTYMTCSYMINVILLMNGALQKKSVKELGKCHPLG RPTMEAVNIAETTSOLFNAILLBTPLAPFPQDCMSNALDELN IELLRNKLKYSYLEAFYKPKCNHGDVTAEMVCPILLEFEADRRAF IITLNSFGTELSKEDRETLYPTFGKLYPBGRLRLAQAEFDOMK NVADHYGVYKPLFEAVGGSGGKTELDVFYEREVQMNVLAFNRQF HYGVFYAYVKLKEQETRNIVWIAECISQRHRTKINSYIPIIL
6569	205	1532	RRRGPRQLGHGRPTPLCRNRTAGPSHWEKQARAFQGLRPVDPDR RMSWLPPLTKSASSAAGSPGGLTSLQQQKORLIESLNSHSSI AEIKQDVEYRLPPTINNLTININILLPPQFPQKPVISVYPPPIR HHLMDKQGVYVTSPLVNNPTMHSDLGKLIQSLLEDFWKNPPVLA PTSTAPPYLYSNPSGMSPPYASQGFPLFPYPPQANRSITSLSV ADTVSSSTTSHTTAKFAAPS*GVLSNLPLPIPTVDASIPTSQNG FGYKMPDVPDAPPELSLSVSQITDMNEQEEVLEQPLTLPLQLK QIITDKDDLKVSIEELARKNLLLEPSLEAKRQTVLDKYELLTQM KSTFKKMQRQHELSESCSASALQARLKVAHAEAEESDNTAED FLEGKMEIDDFLSSFMKRTICHCRRAKEEKLQQAIAHMSQFHA PL
6570	330	1304	ARLPRLTFLREGFLYVLLSHWVFGAPRPPASDSWKKGLVPSAP PASRMKGSKALPAPIPLHPSLQLTNSYFLQAVNTFPATVDHLQ LYGLSAVQTMHMHWTLYGPNVHEITRSTITEMAAAGLVDAF? PPPALPFTTHLFHPKQGAIAHVLPAIHKDRPRDFANLAVAATQ EDPPKMGDLKSLSPGLGSPISGLSKLTPDRKPSRGRLEPSKTKKE FICKPCGRHFTKSYNLLIHERTHTDERPYTCDICHKAFRRQDHL RDHRYIHSKEKPFKCQCGKGCQSRITLAVHKTLEMQTSSPTAA SSAAKCSGETVICGT
6571	169	656	APDMNRKKLQKLTDTLTNCKHLFRGFDKNDGCVNVLEWHLGL SLFLRGSLEKMKYC*FEVFDLNGDGFISKEMFHLKNSLLKQP SEEDPDEGIDKLVETLKKMDHDHDKLSFADYELAVREETLLL EAFGPCPLDPKSKMBEFAQVFKDPNEFNDM
6572	49	1646	TPERAQPGALIGAAGCCVCGGRWPRSHERGYPSSAKMGSKREN LSCSERHQKLVDRNYCKLHVQALKNVNSQIRNQMVQENENDRV QRKQFLRLQLNQEFELDMBEAIAKAEENKRLKELQLKQEEKLAM ELAKLKHESLKDEKMRQQVRENSIELRELEKCLKAAYMNERAA QIAEKDAIKYEQMKRDAEIAKTMMEHKRIIKEENAAEDKRNKA KAQYYLDLEKQLBEQEKKKQAYEQLLKEJLMIDEIVRKIYRED QLEKQKLEKMNAMRRYIEFOKEQALWRKKRBEEMEEENRKII EFANMQQREEDRMKVORNEEKRLQLQNALTQKLEMLRQRED LEQVRQELYQEBQAEIYKSKLEBAEKKLRKQKEMKQDFEEQMA LKEVLQAABEENFRKTMKFAEDDRIELMNAQKORMKQLE HERRAVERKITEERRQQFLADKQRELEEWQLQORRQGFINAIIEE RLKLLKRHATNLLGYLPKGVFKEDDIDLLEGEFRKVVYQQRSEI CEEK
6573	767	275	GGGGESQSFRADGTRTPATDCLMYLQGPRLMTQGGYDMVQK LFLDFRRRLSQRPTABELEQRNLIKPRNBQEBQEBKREIKRRL TRKLSQRPTVELREKILIRFSDYVEVADAQDYDRRADKPWTR

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6574	204	1159	<p>LTAAADKVSRRGECWRVGGRTVCWVSIIGSPLGSV</p> <p>LESSVPVSVGVFWACGVSWTGAAGLQDGLSDTMARNAEKAMTA LARFRQAQLEBQKVKERRPFLASECTRLPKAEKWRROIIGETSK KVAQIQNAGLGEFRI RDNLDEINKLLREKGHWEVRIKELGGPDY GKVGPKMLDHRGKEVPGNRGYKYFGAAKDLPGVRELFEKEPLPP PRKTRAEMLKADFBITYGYLDEDDGVIVPLEQYEKELRAELVE KWKABREARLARGEKBEKEEEEEINIYAVTEESDBEGSQEKG GDDSQQKFLAHVPVPSQOEIIEALVRRKKMELLQKYASRTLQAQ SEEARRLGY</p>
6575	117	820	<p>SPALASQSGGITEBKMLEPQENGVIDLPDYEHEVDETFPPFPFP ASPERQDGRGTRPDEESGNGAPVPVPKRTVKRNIPKLDQRLI SERGLPALRHVFDKAKFKGKGHEAEDLKMLIRHMEHWAHLFPK LQFEDPIDRVEYLGSKEVQTCIKRIRLDLPILHEDFVSNNDV AENNEHDVTSTELDPFLTNLSESEMFASLSISLTESQQORIER NKQLALERRQAKLP</p>
6576	1	1060	<p>PEPQALVGOKRGALRLVARLVLTVSAPAEVRRRVLRPVLWMD RETRALADSHFRGLGVDVPGVQAPGRVAFVSEPGAFSYADFVR GFLLPNLPCVPSSAFTQGWGSRRRWVTPAGRPFDFHLLRTYGDV VVPVANCQVQYNSNPKEHMTLRDYITYWKEYIQAGYSSPRGCL YLDWHLCDPFPVBDVFTLPVYFSSDWLNEFDALDVEDDYRFVY AGPAGSWSPFHADIFRSFWSVNVCGRKKWLLFPPGOEALRDR HGNLPYDVTSPALCDTHLHPRNQLAGPPLETTQEGEMVFPVPSG WHQVHNLVMCCFSCPLSGAFLQEDGSTTSPLSQPELGWNGVAH G</p>
6577	2271	987	<p>SDRMASDDFDIVIRAMLEAPYKKEDEQQRKEVKKDYPSTNTSS TSNSGNETSGSSTIGETENRSRDRDRYRRNSRSRSPGRQCRHR SRSWDRRHGSBSRSRDHREDRVHYRSPPLATGYRYGHSKSPHF REKSPVREPVDNLSPREEDARTVFCMLAARIRPRDLEDFSAV GKVRDVRIISDRNSRRSGIAYVEFCBIQSVPLAIGLTGQRLIG VPIIVQASQAEKNRLAAMANNLOXGNGGPMRLYVGSLSHFNITED MLRGIFFPFGKIDNIVLMKDSITGRSKGVGFTTFSDSECARRAL EQLNGFRLAGRPMPRVGHVTERLDGGTDITFPDGDQELDLGSAGG RFQLMAKLAGGAGIQLPSTAAAAAQAALQLNGAVPLGA LNPAALTALSPALNLASQCLQLSSLTFTPTM</p>
6578	377	1489	<p>PSSSATMNRAPLKRATILHMAITGASDPSARAEANGKPFLLRA LQIALVVSLEYVTSISMVFLNKYLLDPSLRDLTPIFVTFYQCL VTLLCKGLSALAACCPGAVDFPSLRDLRVARSVLPVSVVFIG MITFNNLCLKYVGVAFYNVGRSLTVFNVLLSYLLKQTSFYA LLTCGIIIGGFWLGVQDGAEGTLSWLGTVFVGLASLCVSLNAI YTTKVLPAVDGSIWRLTFYNNVNACILFLPLLLLLGELQALRDF AQLGSAHFWMMLTGLPGFAIGYVTGLQIKFTSPLTHNVSGTA KACAQTVLAVLYYBETKSLWNTSNMMVLGGSSAYTWVRGWEMK KTPEPSPKDSEKSAMGV</p>
6579	2	711	<p>RPRVWYPELRELSAAAPRWSHRTAPGIMVFTSSSVNSSAYT IYMGDKYENEDLIKHWPEDIWFHVDKLSSAHVYLRHKGNI EDIPKEVIMDCAHLVKANSIQCKMNNVNVVYTPWSNLKKTADM DVQQIGFHRQKDKIVTVBKXVNEILNRLEKTKVERFPDLAEK ECRDREBERNEKKAQIQEMKKREKEEMKKREMDLRSYSSLMKV ENMSSNQDGNDSDEFM</p>
6580	62	1571	<p>LVALKNKPKGTNIPAPQSPVFGRAVSGVYMMTKVLGMAPVLGP RPPQEQVGPLMVVKEEKEEGKYLPSLEMFQRFRQFGYHDTPG PREALSQRLVLCCEWLRPEIHTKEQILELLVLEQFLTILPQBLQ ANVQEHCPESAEEAVTLLDLERELDEPGHVSTPPNEQKPVWE KISSSGTAKESPSSMQPQPLETSHKYESWGPLYIQESGEEQBPFA QDPRKVRDCRLSTQHEBSADEQKGSSEAEGLKGDIIISVITANKPE ASLERQCVNLENBKGTKPPLQEAGSKKGRESVPTKPTPGERRYI</p>

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6581	228	476	CAECGKAFSSSSNLTGHRRTHTGKPYVCTKCGKAFSSSSNLTLYHRTHLVDRPYDCKGKAFQSSDILLKHORMHTEAPYQCKDCGKAFSGKGSLLRHVRIHTGKPYQCNECGKSPSQHAGLSSHQRLHTGKPKYKCEGKAFNHSSNFNKHRIHTGKPYWCHHCCKTFC SKSNLSKHQVRHTGECEAP
6582	1428	718	RVFLKDLSTPMASNNNTASIAQARKLVLEQKMEANIDRIKVSKA AADLMAYCEAHAKEDPLLTTPVASENPFREKKFFCAIL
6583	487	41	CFITKTHCSFVSPVYPLSPILVRKELESILENEGQVIHTSSPFIN QHPHIIFWTLVWYFRRLDLPNSLPGILITSEHCNEGVQLPLSSLS QDSKLVYIQLLDNINLHQEPREPLYVSWRNFNSEKSSLLSEE QQETSTLVETIRQSIQHNNVLEPINLLSQMKPGMKRQRSLYRE ILPLSLVSLGRENIDIEAFDNEYGIAYNSLSSEILERLQKIDAP PSASVEWCRKCFGAPLI
6584	189	1750	RTFSMTSGRLRWCTWRPATALWSASLRGTSSMHPSRSTSLP LSMMLSPSPNTRGLSPALFRSPDSEHATSCPRHLWRCPAPL RSPSPILGRQLVLRPSPLHVHTHNSGKRVLGLQVQRSRSGTGAC SQAGSGAVQCCNWCIF
6585	3	1678	PLPMAALGPSSQNVTEYVVRVPKNTTKKYNIMAFNAADKVNFAF WQARLERDLNKKIYQEEEMPESGAGSEFNRLRERRARRKKYG IVLKBFPRPDQFWLLRVNGKSGRKFKGKGGVTENTSYYIFTQ CPDGAFAEPVHNWYNTPLARHRTLTAEEAEEWERRNKKVLNH FSIHQRRLLKDDQDDDEEEKERGRKASLRIDHLDRLDLEMS SDASDASGEGRVPAKAKKAPLAKGGRKKKKKGSDDAEAFDS DDGDPEGQEVYDMSGSSSSQEEPESSKAKAPQEEGPKGVDEQS DSESESEERKPPDEDKKEEKKKAPTQEKRRKDSSESDSSS ESDIDSEASSAFMAKKKTPPKRERKPSGSSRGNSRPGTSPAEG STSSTLRAAASKLEQGGKRVSEMPAAKRLRLDTGPQSLSGKST PQPPSGKTTFNSGDVQVTEDAVRRYLTRKPMTTKDLLKKPQTKK TGLSSEQTVNVLAQILKRLNPERKMINDKMHFSLKE
6586	32	804	GPTRNSRIDDFVGGDPRAEASCVLHKSHPHAMDSDPASPQMQ HWKBQRAAQKADVIITGAGNPVGDKLNVITVGPGRPLLVQDVVF TDEMAHFDORRRIIPERVVHAKGAGAGFYFEVTHDITKYSKAKVFE HIGKKTPIAVRFPSTVAGESGADTVRDPGRFAVKFYTEDGNWDL VGNNTPIFFIRDPILPSPFIHSQKRNPTHLKDPDMVWDFWLSR PESLHQVSFLPSDRGIPDGHHRMNGYGSHTFKLVNANGRAVYCK PHYKTDQGIKNLSVEDAARLSQEDPDYGIKRLDPLNATGKYPSPW TFYIQVMTFNQAEFTFPNPPDLTKVWPHKDYPLIPVGKLVLRN PUNYFAEVEQIAFDPSNMPPGIEASPDKMLQGLFAYPDTHRRH LGPNYLHIFVNCPPYRVRVANYQRDGPMDQDNQGGAPNYYPNPF GAPEQQPSALEHSIQYSGEVRENTANDDNVTQVRAPYVNVLEB EQRKRLCENIAGHLKDAQIPIQKAVKNFTEVHPDYGSHIQALL DKYNAEKPKNAIHTFVQSGSHLAAREKANL
6587	75	1117	PLPEQPAESTSTMPVSGTPAPNKKRKSCLKIMELTGGQBSGL NLGKKISVPRDVMLELSLLTNRGSKMFKLRQMRVEKFTYRNHP DVFSDSSMDHFQKFLPTVGGQLGTAGGFSYSKSNRGGSQAGG SGSAGQYGSDDQHHLGSGSGAGGTGCPAGQAGRGAAGTAGVGE TSGSDQAGGEGKHITVFKTYISPERAMGVDPPQKMBELGIDLLA YGAKARLPKYKSFNRTAMPYGGYEKASKRMTFQMPKV
6587	75	1117	RRVPSLGKMPCEWDGEHDIETPYGLLHVVIKSGSPKGNRPAILTY HDVGLNHLKCFNTFFNFEDMQEITKHFFVCHVDAPGQQVQASQF PQGYQFSPMEQLAAMLPSVVQHFGFKYVIGIGVAGAYVLAKFA LIFPDLVEGLVLVNIIDPNGKWDWAATKLSGLTSLPDTVLSH LFSQBELVNNTLVQSYRQQIGNVVNQANLQLFWNNYNSRRDL D INRPGTVPNKATLRCPVMLVVGDNAPAEADVVECNKLDPTTTT FLKMA DSGGLPQVTQPGKLTFAFKYFLQGMGYMPSASMTLRARS RTASLTSASSVDGSRQACTHSESSSGLQVNHIMEVSC

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6588	137	501	LG LQAQLLELR TNNTNYQLSDELKNGVELTSLRQKVAYLDKEFSK AQKALSKSKKAQEVVLLSENEMLOAKLHSQFEDFRLQNSTLMA BFSKLCSQMEQLEQBNQQLKEGAAGAGVQAQAGP
6589	2	1405	RPNGSAMATFSRQEFFQQLLQGCLLP TAAQQLDQIWLILAICLA CRLLNRLGLPSYLKHAFTVAGGPFSLYHPFQLEHVMVVLLSLLC YLVLFLCRHSSHRGVFLSVTILYILMGEHMMVDTVTNKKMRGA QMIWAMKAVSLGFDLDRGBVGTVPSPVEFMGYLYFVGITIVGPGW ISPHSYLQAVQGRPLSCRNLQKVARSLALALLCLVLTCTCVGPYL PPYFIPLNGDRLLRNKKRKGRTMVRWLRAYESAVSFHFSNYFV GFLSEATATLAGAGPTEKKDHLNDLTVSKPLNVELPRSMVEVV TSNNLPM SYWLN NYVFNALRLGTFSAVLVYASALLHGFSPH LAAVLLSLAFITYVEHVLKRLARILSACVLSKRCPPDCSHQR LGLGVRLNLLFGALAI PHLAYLGSLEFDVDVDDTTEEQGYGMAY TVHKNSEL SWASHWVTFGCWIFYRLIG
6590	2177	656	VRAYEHVLSLLENVFTPMFCHRDYFRQLLRGAESPTRNSKLN GSLSLDDFRNTQKRGSFGISRIKSKIGVFKSTMEGAMLPNY GVAEGEDDFIEGIVVMEDDSPVEAVSTPNTPRNLAAWKISIPY VDFFEDPSSERKEKKERIPVFCIDVERNDRAVGHPEHWSVYR RYLEFFYVLESKLTFFHGAPDQALPSKRIIGPKNYEFLKSKRE PQYELQKLLQHPELSNSQLLADFLSPNGGETQFLDKILPDVNLG KI IKSVPGLMKKEGQHLPEFFIMNFINSCSPKPKPSRPELTIL SPTSENNKKLPNDLFKNANRAENTERKQKNYFMEVMTVEGVY DYLMYVGRVVPQVPDWLHLLMGTRILFRNTLEMYTDYLLQCKL EQLFQEHRLVSLITLLRDAIFCENTEPRSLQDKQKGAQTFEEM MNYIPDLLVKCIGEBTKYESIRLLFDGLQQPVLNKQLTYVLLDI VIQELFPELNVQKEVTSVTSWM
6591	2177	656	VRAYEHVLSLLENVFTPMFCHRDYFRQLLRGAESPTRNSKLN GSLSLDDFRNTQKRGSFGISRIKSKIGVFKSTMEGAMLPNY GVAEGEDDFIEGIVVMEDDSPVEAVSTPNTPRNLAAWKISIPY VDFFEDPSSERKEKKERIPVFCIDVERNDRAVGHPEHWSVYR RYLEFFYVLESKLTFFHGAPDQALPSKRIIGPKNYEFLKSKRE PQYELQKLLQHPELSNSQLLADFLSPNGGETQFLDKILPDVNLG KI IKSVPGLMKKEGQHLPEFFIMNFINSCSPKPKPSRPELTIL SPTSENNKKLPNDLFKNANRAENTERKQKNYFMEVMTVEGVY DYLMYVGRVVPQVPDWLHLLMGTRILFRNTLEMYTDYLLQCKL EQLFQEHRLVSLITLLRDAIFCENTEPRSLQDKQKGAQTFEEM MNYIPDLLVKCIGEBTKYESIRLLFDGLQQPVLNKQLTYVLLDI VIQELFPELNVQKEVTSVTSWM
6592	3	1861	APEFLGSTISSGSMIDANLKLQRAEORLKAIVAEKFAIATKEG DLPQVERFFKIFPLGLHEEGLRKFSEYLCKQVASKAERNLLMV LGTOMSDRRAAVIFADTLTLLEGIARIVETHQPIVETTYGPGR LYTLIKYLQVCDRQVEKVVDFKIKQDYHQQFRHVQNNLMRNS TTRKIEPRELDPILTEVTIMNARSLEYLRLKKRISSDPEVGD MASEEVKQEHQKCLDKLLNNCLLSCTMQELIGLYVTMEBYFMRE TVNKAVALDTEKQGLTSSMVDVFIIVKCKIGRALSSSSIDCL CAMINLATTELESDFRDLVCLNKLRMGPATTFQDIQGVTSAVN IMHSSLQOGRFDTKGIESTD EAKMSFLVTNNVVCSENISTLK KTLES DCTKLFSQIGGQQAQAKPDSCLDLAAVSNKFRDLQ GLTELNSTAIKQVQPWINSFVSHNIEEEEFNDYEANDPWVQ QFILNLEQMAEFKASLSPVIYDSL TGLMTSLVAVLEKVVLS TPNRLGGLQFDKELRSLIAYLTVTWTIRDKFARLSQMATILN LERVTEILDYWGPNSGPLTWRLTPAEVRQVLALRIDFRSEDIKR LRL
6593	3	1837	EAFSAGSRRRGLALQRGVIGGLGGVCPCCRRRGRLLVLLLVLR RGEGGGGGRGDKRRRRQARRRRRPPAKARGGKMADVLSVL RQYNIQKKEIVVGDEVI FGEFSWPKNVKTNVYVWGTCKEGQPR

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			EYITLDSILFTLNNVHLSHPVYVRRRAATENIPVRRPDRKDLG YLNGEASTSASIDRSAPLEIGLQSTQVKRAAEVLAEAKKPRI EDEECVRLDKERLAARLEGHKEGIVQTEQIRSLSEAMSVERIAA IKAKIMAKKRSTIKTDLDDITALKQRSFVDAEVDVTRDIVSRE RVWRTRTTILQSTGKNFSKNI FAILQSVKARREGRAPEQRPAAP AAVPVDPTLRKQPIPAAYNRYDQERFKGKEETEGFKIDTMGTYH GMTLKSVTGASARKTQTAAQPVPRPVSQARPPPNQKKGSRTPI IIPAAATSLITMLNAKDLLQDLKFVPSDEKKKQGCQRENBTI IQRRKQMQPGGTASVTVPYRVVDQPLKLMPODKDRVVAVFVQ GPANQFKGWFWLLPDGSPVDIFAKIKAFHLKYDEVRLDPNVQKW DVTVLELSYHKRHLDFVFLRVWETLDYRMVKKHSHLRF
6594	1	1096	EPFGRFRFGSQASPLCATCGPALLRAPTRAAMTRSLFKGNFWSA DILSTIGYDNI IQHLNNGRKNCKEFEDFLKERRAATBERRYGDLL NLSRKKPCGQSBINTLKRLEVPKQQVDNVAQCHIQLAQSLREE ARKMBEFREKQKLQRKKTBLIMDAIHKKSLQFKKTMDAKKNYE QKCRDKDAEQAVSRANLVNPKQOEKLFVKLATSKTAVEDSDK AYMLHIGTLDKVRBESBHIKACEAFBAQECBRINFPNALWL HVNQLSQQCVTSDMYEQVRKSLKMCSTIORDI EYFVNQRKTGQI PPAPIMYENFYSSQKNVAPGAKATGPNLARRGPLPIPKSSPDDP NYSLVDDYSLLYQ
6595	57	781	PLGTMSDSLDGEDEGLLSLAGKRKRRGNLPKESVKILRDWLYH RYNAYPSEQEKLISLGGQTNLSVLQICNWFINARRLLPDMLRKD GKDPNQFTISRRGKASDVALPRGSSPSVLAVSVAPTNVLSLS VCSMPHSGQGEKPAAPFPGRGELES?KELVTPGSTLTLLTRAEA GSPTGGLFNTPTPTPEQDKEDFSSFQLLVEVALQRAAEMBLQK QDDPSLPLHTPIPLVSENPO
6596	2	1026	PRLPVRRYHGRRLQGRSRGHMAEGDAGSDQORONEETIAMAAYI GBEWCVIDDCAKIFCIRISDDIDDPKWTLCQVMLPNEYPGTAP PIYQLNAPWLKQGERADLSNSLEETIYQNIAGESILYLWVEKIRD VLIQKSQMTPEGPDVKKKTEBEDVRCBDDLILACQPSSSVKALD FDISETRTEVEVEELPPIDHGIPITDRRSTFOAHLAPVVCVKQV KMLSKLYENKKLASATHNIYAYRIYCEDKQTFLODCEDDGETA AGGRLHLHMEILNVKNVWVVSRYGGILLGPDRFKHINNCCARN ILVEKNYTNPSPESSKALGKNKKVRKDKKRNEH
6597	2	1026	PRLPVRRYHGRRLQGRSRGHMAEGDAGSDQORONEETIAMAAYI GERWCVIDDCAKIFCIRISDDIDDPKWTLCQVMLPNEYPGTAP PIYQLNAPWLKQGERADLSNSLEETIYQNIAGESILYLWVEKIRD VLIQKSQMTPEGPDVKKKTEBEDVRCBDDLILACQPSSSVKALD FDISETRTEVEVEELPPIDHGIPITDRRSTFOAHLAPVVCVKQV KMLSKLYENKKLASATHNIYAYRIYCEDKQTFLODCEDDGETA AGGRLHLHMEILNVKNVWVVSRYGGILLGPDRFKHINNCCARN ILVEKNYTNPSPESSKALGKNKKVRKDKKRNEH
6598	1099	419	PRVRWATTMAMSFEPWQYRFDPFFTLQPNVDTRQKQLAAWCSL VLSFCRLHKQSSMTVMEQBSPLFNNVKLQRKLPVESIQIVLEE LRKKGNLWLDKSKSFLIMWRRPEEWGKLIYQWVSRSQONNSV FTLYBLTNGEDTEDEEFHGLDEATLLRALQALQGEHKAETITS DGPRRQVLLAGTCLPILLTSHLSRAFKRRQTQCPKTKGSVTPPD SKGLQS
6599	164	1593	KMAALTTLFKYIDENQDRYIKKLAKWVAIQSVSAWPEKRGRIIR MMEVAAADVQLGGSVELVDIGKQKLPDQSEIPLFPILLGRIGS DPQKKTVCYGHLDVQPAALDGDWSEPFLLVERDGLHGRGST DDKGPVAGWINALRAYQKTQOEIPVNVRFCLGMEESGSEGLDE LIFARKDTFFKDVVDYVCISDNYWLGKKKPCITYGLRGICYFFIE VECNKLHSGVYGGSVHEAMTDLILLMGSIVDKRGNILIPGIN EAVAAVTEEHKLYDDIDFIDIEFAKDVGAQILLHSHKKDILMH RWRYPSSLHIGIEGAFSGSGAKTVIPRKVVGKPSIRLVNMTPE

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			VVGEQVTSYLTKKFAELRSPNEFKVYMGHGGKPVVSDFSHPHYL AGRRAMKTVFGEFDLTREGGSTPVTLTFOEATGKNVMLLPVGS ADDGAHSQNEKLNRYNYIEGTRMLAAYLYEVSQKLD
6600	2	934	PGRLFRVAAMESAGLEQLRLRLLPDTERIRRAEQQLQIVLRAP AALSALCDLLASADPQIRQFAAVLTTRRRINTRWRRLAAEQRES LKSLLTALQRETEHCYSLSLAQLSATIFRKEGLEAWPQLLQLL QHSTHSPHSFEREMGLLLSVVVTSRPEAFQPHHRELLRLNET LGEVSGPGLLFYSLRTLTTMAPYLSTEDVPLARMLVPKLIMAMQ TLIPIDEAKACRALEALDELLESEVPVITPYLSEVLTFCLEVAR NVALGNAIRIRILCCLTFLVKVSKALKKNRLLATLAHPFPHC GC
6601	529	1420	PRAAARAPPFAVLRDRRAATAPGAGEMTLHGPLAORYFLNHIE KITTWQDPRKAMNQPLNMHMLHPAVSSTPVPQSRMAVSQPNLVM NHQHQQCMAPSTLSQONHTQNPAGLMSMFNALTTQQQQQKLL RLQRIQMBRERIRMRQBELMRQBAALCRQLPMEASTLAPVOAAV NPPTMTFDMRSITNNSDDPFLNGGPHYHSRQSTDSGLGLGCYSV PTTPEDFLSNVDEMDTGENAGQTPMNINPQTRFPDFDCLPGT NVDLGTLESEDLPLFNDVRSALNKSFPFLTWL
6602	127	617	LLDFPALPKFVLAQSPKAGKPSMTSMQSLREVIKAMTKARNF ERVLGKITLVSAAPGKVICEMKVEEBHTNAIGTLHGGLTATLVD NISTMALLCTERGAPGVSDMNITYMSPAKLGEDIVITAHVLKQ GKTLAFTSDVLTNKA TGKLLAQGRHTKHLGN
6603	79	660	PVGPSSLAARTGLGHLEFHLRLASSRGGLDMLLQFLAFPLVLLL SGMGATGTLRTSLDPSLEIYKMMFEVKRRBQLLALKNLALQNDI HQYKILDVMLKGLFKVLEDSRTVLTAADVLPDGPFPQDEKLKD AFSHVVENTAFPGDVVLRFPRIVHYFYDHNNSNWNLLIRWGISFC NQTGVFNQGGHSPILSLM
6604	3	688	TSTAQRQGGGRMSFRGCGRGGFNRGGGGGGFNRGGSSNHFRGGG GGGGGGNFRGGGRGGFGRGGGRGGFNKGQDQPPERVVLLGEFL HPCEDDIVCKCTTDENKVPYFNAPVYLENKEQIGKVDEIFGQLR DFYFSVKLSNMKASSFKKLQKFIIDPYKLLPLQRFPLPRPPGK GPPRGGGRGGGRGGCGGCGRGGGFRGGRGCGGGFRGGRG CGFRGRGH
6605	7	848	SCSRGAMRAAGVGLVDCHCHLSAPDPDRDLDDVLEKAKKANVV ALVAVAEHSGRPFKIMQLSERYNGFVLPCLVHPVQGLPPEDQR SVTLKDLVDALPIIENYKDRLLAIGEVGLDFSPRAGTGBQKEE QRQVLIRQIQLAKRLNLPVNVHSRSAGRPTINLLQEQGAEKVL HAFDGRPSVAMEGVRAGYFFSIIPPSIIRSGQKLKVLPLTSIC LETDSPALGPEKQVRNEPWNISISABYIAQVKGISVEEVIEVTT QNALKLFPKLRHLQK
6606	2	1682	FVTRIRPRAEVANLSAHSASPIQDAVLKRLSLLLEDIVYRQLNGLS KSLGLEGYGORGKGLPATLSAEBEAKAGPHEKYGYSYLSR KISLDRSIPDYRPTCKCKELKYSKOLPQISIFTFVNEALSILR SVHSAVNHTPTHLLKEIILVDDNSDEBELKVPLEEYVHKRYPL VKVVRNQKREGLIRARIEGHWKATGQVTGFFDAHVEFTAGWAE VLSRIQENRKRVLPSIDNIEQDNFEVQRYENSAGYSWELWCM YISPPKDWNDAGDPSLPIRTAMIGCSFVVRNKKFFGEIGLLDPG MDVYGGENIELGIKVLGGSMEVLPCSRVAHIERKKKPYNSNI GYTKRNALRVABVWMDYKSHVYIAWNLPLENPGIDIGDUSER RALRKS LKCKNFQWYLDHVYEMRRYNNYVAYGELRNNAKDV LDQGLENHNTAILYPCHGWGPOLARYTKEGFLHLGALGTTLLP DTRCLVDNSKSRLPQLLDCDKVKSLSYKRWNFIONGAIMNKG RCLEVENRGLAGIDILRSCTGQRWTKNSIK
6607	137	986	VPACAGLKKEARSLASPPRLNNTKLQASCRALFSPPIQSRQTT GISFGGRGGAGPGVPTRTQVFAAMGAVMGTFSSILQTKQRPSKD KIEDELEMTMVCRRPEGLEQLAQTNFTKRELQVLYRGFKNECP

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			SGVVEDTFKQIYAQFFPHGDASTYAHYLFNAFDITQTGSKVKE DFVTALSILLRGTVHEKLRWTFNLVDINKDGYINQEEMDIVKA IYDMMGKYYTYPVLKEDTPRQHVDPVFPQKMDKNKGIVTLDDEPLE SCQEDDNIMRSLQLEFQNVN
6608	224	1140	RPCFSSPTGLCPRLSYPMILLQHAVLPPPKQSPSPSPMSVATRS TGTQLPFPQKPFQGRASLPLAGREELSKEGQDCALEELCKPLY CKLCNVTLNSAQQAQAHYQGNHGGKLRNYAANSCTPPARMNS VVEPAATFVVPVPPQMGSKPGGRVILATENDYCKLCDASFSSP AVAAHYQGNHAKRLRLAEAQSNPSSESELGQRRARKEGNEF KMPNRRNMVTVQNNSGPYFNPRSRQRIPRDLAMCVTFSGQPYC SMCNVAGAGEMEFRQHLESQKHKSQVSRQRYRNEMENLGYV
6609	1	443	FLRCRRFRVAGGRLAGAGLRESVPAPEORLSALTLLSWSAVT PAAEPGNFQLSPAEPGRGLASPVRAAPRACPAAEMSELNKTTS PATNQAGQEEKGKAGNVKKAEEEEIDIDLTAPETEKAALATQ GKFRFRQKRKDPSS
6610	319	881	GRKSLCNLHIFIRFPLTPDMYMGMMCTAKCGIRFQPPAILLI YESEIKGKIRQIMPVRNPSKFSDCTRAEEQLKNNPRHKSYLEQ VSLRQLEKLFSLRGVLSGQSLASTMEQIQRETTIDPEBDNLK DDKELAKRKSIMDELFEKNQKKDDPNFVYDIEVEFPQDDQLQS CGWDTESADEF
6611	978	212	PGCSGAGSRVWVLPALRHLAMGSTESSEGRVSVFGVDEBERVRV LQGVRLSENVNRMKEPSSPPAPTSSSTFGLQDGNLRAPHKEST LPRSGSSGGQPPSGMKKGVKRYEQKHAATQDKLFQVAKREREA TKHKSASLPTGEGSISHEEQKSVRLARELESREARLRRTDFYK EOLIERERKNAEMYKLSSEQFHEASKMESTIKPRRVEPVCSGL QAQILHCYRDRPHEVILCSDLVKAYQRCVSAAHKG
6612	1724	992	VSTHASALSRTQGPORQPRAAAGAGAGTAGGGGSGGAGSGKM STEAQRVDDSPSTSGGGSDGDQRESVQOEPERBQVQPKKEGKI SSKTAAKLSTSAKRIQKELABITLDPNCSAGPKGDNIYEWRS TILGPPGSVYEGGVFFLDITFSPDYPPKPPKVTFRTRIYHCNIN SQGVICLDILKDNNSPALTISKVLISICSLTDCNPDPLVGS ATQYMTNRAEHRMARQWTKRYAT
6613	130	748	EEELSSNMPEQSNDRVAVFGAGGVGKSSSLVLRVFKGTFRBSYI PTVEDTYRQVISCDKSICTLQITDTTGSHPQAMQRLSISKGHA FILVYSITSRQSLBELKPIYEQICEIKGDV3SIPIMLVGNKCDR SPSRVQSSEARALARTWKCAMFETSAKLNHNKELFQELLNLE KRRTVSLQIDGKKSQQRKREKLKGCVM
6614	3	1191	SSAAEAMRVLRRCNGPPLAEGARRGRFSPQWRALARLQWEDCR DSRVREKPPWRVLPFGTDQFAEALRALHAARENKEELIDKLE VVMPPSPKGLPVKQYAVQSQLPVYEWPDVGSGEYDVGVVASF GRLLNEALILKFPYGIILNVHPSCLPRWRGPAPVIHTVL3GDTVT GVTIMQIRPKRFDVGPILKQETVPVPPKSTAKELEAVLSRIGAN MLISVLKNLPESLSNGRQPMEGATYAPKISAGTSCIWBEQTS EQIFRLYRAIGNIIPLQTLWMANTIKLIDLVEVNSSVLADPKLT GQALIPGSVIYHKQSQILLVYCKDGWIGVRSVMLKKSILTATDPY NGYLHPWYQKNSQAQPSQCRPOTLRLPTKKKOKKTIVAMQOCIE
6615	832	35	GRVGAGASAMSELPGDVRAFLREHPSRLRLQTDARKVRCILTGHE LPCRLPELQVYTRGKKYORLVRA3PAFDYAEFEPHIVPSTKNPH QLFCKLTLRHINKPEHVLRLHTQGRRYQALCKYRECOQGVVEY VPACLVRHRRRRRBDQMDGDGPRPREAFWEPTSSDEGGAASDDSM TDLYPPELFTRKDLGSTEDGDGTDDFLTDKEDEKAKPPREKATD EGRRETTIVYRGLVQKRGKQLGSLKKKPKSHHRKPKSFSSCKQS G
6616	347	1886	LLPPCCQGARPLSSPPHASEDNLFVWNCILCAFPHPSPQPLQYP VWPLLLVITQIPARHLNRNRFPSFRGLDSFSGSLSTPSICRS

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			PAWVKMAPNPPKGLVPAVLWGLSLFLNLPGLPIWLQSPPPQSSP PPQHPCHTCRGLVDSFNKGLERTIRDNPGGNTAWEENLSKY KDSETRLEVLBGVCSKSDFECHRLLELSEELVESWVFKQQA PDLFQWLCSDSLKLCPPAGTFCPSCLPCPGETERPCGGYGCCEG EGTRGGSGHCDQAGYGGACGQCGLGYFEARNASHLVCSACF GPCARCSGPEESNCLQCKKGWALHHLKCVDIDECGETEGANOGAD QFCVNTGSGYECRDCAKACLGCMGAGPGRCKKCSFGYQQVGSKC LDVDECETEVCPGENKQCENTEGGYRCICAGYKQMEGICVKEQ IPESAGFFSEMTEDLVVLQQMFFGIIICALATLAAGDLVFTA IPIGAVAAMTGVWLSRSDRVLEGFIRGR
6617	118	673	VWMAQVSLLELDRLQCPICLEVFKESLMQCGHSYCKGCLVS LSYHLDTKVRCPCMCQAVDGSSELNPNVSLAWVIEALRLPGDPEP KVCVHHRNPLSLFCEKDQELICGLGGLGSHQHHPVTPISTVCS RMKEELAALESELKQEQKQVDELIAKLVRNTRIDGSAPSLCPC LGPATFTFL
6618	548	136	DGKVARRAPNPAFQNDIYPLVSAPRATTAESPWSKVLQNTQCR NVPKMTSERSRIPCLSAAAEAGTGKKQEGRAMATLDRKVPSP APLGKFWSSWIDAALHCSDNVDLEAGRGCKGKSGREVMRLNKEA WKYGT
6619	246	842	PASSEVLTAAMVFLLLNCIVAVSQNMGIGKNGDLFRPPLRNEFR YFQRMTTTSSVEGKQNLVIMGRKTWFSIPEKNRPLKDRINLVLS RELKRPQGAHFLARSLDDALKLTERPELANKVMDIWIWGGSSV YKAMNHLGHLKLFVTRIMQDFESDTFFSEIDLEKYKLLPEYPG ILSDVQEGKHICYKFEVCEKDD
6620	3	1879	NSRVDDFVARARMAAENASQESALGAYSPVDYMSITSFPRLPE DEPAPAAPLRGRKDEDAFLQDPDTPDSFLKSARLQRLPSSSSE MGSQDGSPLRETRKDPFSAABCSRODGLTIVTACLTFATG VTVALVMQIYFGDFQIQOQGAUVTDAACTSLGIEVLKQGSV DAAVAAALCIGIVAPHSSGLGGGVMLVHDIRRNESHLDIFRES APGALREETLQRSWETKPGLLVGVPGMVGLHRAHQYGRLEWS QVLAFAAAVAQDGFNVTHDLARALAEQLPPNMSEFRFETFLPSG RPPLPGSLHHRPDLAEVLDVLGTSGPAAPYAGGNLTLEMVAEAQ HAGGVITEEDFNSYSALVERPVCQVYRCHLVLSPPPPHTGPALI SALNILEGFNLTSLSVREQAHLHWAETLRYALALASRLGDPVYD STITESMDMLSKVEAAYLRGHINDSQAAPALFVYKLDGAPT AAQVLIMGPDDFIVAMVSSLNQPFSGSLITPSGILLNSQMLDPS WPNRTANHSAPSLNSVQPGKRPLSFLFTVVRPAEGLCGTYLA LGANGAARGLSGLTQVRFTPLAFFSREPSGGLDCRCLSYLWLV SIPHAANMG
6621	1	662	VQGITSYQORLQALRKEKSRDAARSRRGKENFEFYELAKLLELP AAITSQLDKASIRLTISYLKMRDPANQGDPPWNLRMGGPPENT SVKVIQAQRRRSPSALAIEVFKAHLGSHILQSLDGYVPALNQEG KFLYISETVSIYLGSLQVELTGSSVFDYVHPGDHVEMAEQGMK LPPGRGLLSQGTAEKGASSASSSSQSETPEPVVCFPPASDQFL
6622	2	319	GRASGAQKETEAGGPERARABANMPKRKEPGRSLRIKVISMG AEVGKSCIYKRYCEKRFVSKYLATIGIDYGVTKVHVRDREIKVN IFDMAGHPFFYEVRRKPF
6623	1886	189	KALFEKVKKFRHVEEGDILYAMYVRQTVLKVIFLYIIAYNSA LVSKVQFTVDCNVDIQDMTGYKNFSCNHTMAHLFSKLSFCVLCF VSIYGLTCLYTYLWLFYRSLREYSFEYVRQETGFDDIPDVKNDF AFMLHMIDQYDPLYSKRFAVFLSEVSENKQLQNLNNEWTDPKL RQKIQTNAHNRLEPLIMLSGLPDTVFEITELQSLKLEIKNMV IPATIAQLDNLQELSLHQCSVKIHSAAALSKENKLVSVKFPD MRELPWMYGLRNLLELYLVGSLSHDISRNVTLLESLRDLKSLKI LSIKSNVSKIPQAVVDVSSHLQKMCIHNDGKLVMLNLLKMTIN LTELELVHCDLERIPHAVFSLLSLQELDLKENNLKSEIEIVSFQ

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			HLRKLTVLKLWHNSITYIPEHTKKLTSLESLSPSHNKIEVLPSH LFLCNKIRYLDLSYNDIRFIPPEIGVLQSLQYPSITCNKVESLP DELYFCKKLKTLKIGKNSLSVLSPKIGNLLFLSYLDGKGNHFEI LPPELGDCRALKRAGLVVEDALFETLPSDVREQMKE
6624	218	1786	GSRRGGGSRIPAVSTHVAPGRSVLRPFASGALRLRLSLVKALGGC RGRPSGLAHLSEQETSHWRKRSGRACLGDPFGEILRSFIMKCTA REWLRVTTVLPMARAIAMVVPNATLLEKLEKYMDDEGEWVIA KQKGKRAITDNDMQSILDLHNKLRQVYPTASNMEYMTNDVELE RSAESWAESCLWEHGPAISLLPSIGQNLGAHWGRYRPPPTFHVQSW YDEVKDFSYPEHRCNPYCPFRCSGVPCTHYTQVWATSNRIGC AINLCHNMNIWQIWPKAIVYLVCNYSFKGNWGHAPYKHGRPCS ACPPSPFGGCGRENLCYKEGSDRYPPPREETNBIERQSQVHDT HVRTRSDSSRNEVISAOQMSQIVSCVRLRDQCKQTCNRYEC PAGCLDSKAKVIGSVHYEQSSICRAAIHYGIIDNDGGWVDITR QGRKHYPFKSNRNGIQTIQKYQSANSFTVSKVTQAVTCETIVE QLCPFHKPAASHCPRVYCPKRLYASKSTLCSNWNSSLP
6625	1124	543	PGPRGGGSLSTKALGRSRGLGMHPGSSGGTEGGVPTALRPP GPLVPSTSDNNLLKNIELFDKLALRFHGRLLFLKDLGDEICCW SFYQGRKLAIEVCCTSIVYATEKKQTKVEFPPEARIFBETLNILI YETPRGPDPALEATGGAAGAGGAGROEDENREHRVRRITHVRR HITHDERPHGQQIVFKD
6626	3	1498	SAVEFVYTDRLFHLILGISVEFLCSLRSDATMESITACLHALQAL LDVPWPRSKTSGDQDSGIELNLVLRVILTRESPSIQLASLEV RQIICAAQEHVKEKRRSAEVDQAAEKETLPEFCEGKDTGGGLVP GKSLVFATLELCVCILVRQLPEINPKLTGSPGVKATKPKQILLED GSRLVSAALVILSELPAVCSPEGSIILPTILYLTIGVLRRETAV KLPGCQLSSTVAASLQALKGILSSPMARAKSRTAWTDLLRSAL TTILDCNDPVDETHQELDEVSLTALTITVILSTSPEVTTIPCLQ KRCIDKFKATLEIKDPVVQIKTYQLLHSTPQYPNPAVSYPYIYS LASCIMEKLQEDIKRKPENTABLEIFQEGIKVLETLVTVAEHH RAQLVACLPLILISFLDENSLGSATSIMRNLDHDFALQNLWQIG PQYSSVPKSLVASSPALKARLEAAIKGNQESVKVKIPTSKYTKS PGRNSSIQLKTSFL
6627	1	697	GIPHLSSRDMTGTGCAVATRDGEAPERSPPCSPSYDLTGKVMLL GDTGVGKTCFLIQPKDGAFLSGTFIATVIGIDFRNKVTVVDGVRV KLQINDTAGQERFRSVTHAYYRDAQALLLYDITNKSSFDNIRA WLTEIHEYAQRDVVIMLLGNKADMSSERVIRSEDETLAREYGV PPLETSAKTGMNVELAFIAIAKELKYRAGHQADEPSPQIRDYVE SQKRRSSCCSFM
6628	1	1861	QCAEPGGGSGGGGGSGGGGGGGRGAGGRENKENERPSAGSKAN KEPGDLSLSLEILQIIKESQQQHGLRHGDFORYRGYCSRRQRLR KTLNFKMGNRHKFTGKKVTEBLLTDNRYLLLVLMDAERAWSYAM QLKQEAANTEPRKRFHLLSRLKAVKHAEELERLCESNRVDAKTK LEAQAYTAYLSGMLRFBHQEWKAAIEAFNKCKTIYEKLASAFTE EQAVLYNQRVEEISPNIRYCAYNIGDQSAINELMQMLRSGGTE GLLAEKLEALITQTRAKQAATMSEVWGRTPVVKIDKVRIFLL GLADNEAAIVQAESEETKERLFESMLSECRDAIQVREELKPDQ KQRDYILEGEPGRVSNLQYLHSYLYTIKLTAKRNENMAKGLQ RALLQQPEDDSKRSRPPQDLIRLYDIIILQNLVELLQLPGLEED KAFQKEIGLKLTVFKAYRCFFIAQSYVLVKKWSEALVLYDRVLK YANVNSDAGAFKNSLDLPDQVELITQVRSEKCSLQAAAILDA NDAHQTETSSSQVDKNKPLVERFETFCLDPSLVTKQANLVHPPP GFQPIPKPLFFDLALNHVAFPPLEDKLEQKTKSGLTGYIKGIF GFRS
6629	5653	4549	GATPLGSGVGGRTGKMDAATLTDTLRFABFEDFPPTSEPVWILG RKYSIFTEKDEILSDVASRLWFTYRKNFPAIGGTGFTSUTGWGC

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			MLRCGQMIFAQALVCRHLGRDWRWTQRKRQEDSYFSLNAPIDR KDSYYSIHQIAQMGVGEKSGIQWYGPNTVAQVLKKLAVFDIWS SLAVHIAMDNVTVMERIRLCRTSVPCAGATAFPADSDRHCNGF PAGAEVTNRPSRPLVLLIPLRLGLTDINEAYVETLKHCFMMP QSLGVIGGKPNASAHYFICYVGBELIYLDPHTTTQPAVEPTDGCPI PDESFCQEPPEPCMSIAELDPSIAVVRGGHLSQAFGAECCLGM TRKTFGLRFPFSSMLG
6630	2	423	LVQCGGIRRRSANGAMPGRHVSRRVRLYKRVQLQHRVLPDDLKS LGDQYVKDEFRRHKTGVSDEAQRFLQEWVYATALLQQANENRQ NSTGKACFGTFLPEBKLNDFRDEQIGQLQELMQEATKENRQFSI SESMKPKF
6631	2	423	LVQCGGIRRRSANGAMPGRHVSRRVRLYKRVQLQHRVLPDDLKS LGDQYVKDEFRRHKTGVSDEAQRFLQEWVYATALLQQANENRQ NSTGKACFGTFLPEBKLNDFRDEQIGQLQELMQEATKENRQFSI SESMKPKF
6632	1273	588	WNSRGRTQGAAPLAPAAAMKAVVQVRTRASVTVGGEQISAIGR GICVLLGISLEDTQKLEHMRKILNLRVFEDESGHWSKSVMD KQYELLCSVSQFTLQCVLKGKPDFHLAMPTEQABGFYNSPLEQL RKTYPRELKDKGFGAYMQVHIQNDGPVTIELESPAGTATSDP KQLSKLEKQQQRKEKTRAKGPSBSSSKERNTPRKEDRSASSGAEG DVSSREPE
6633	1145	617	ATGRHEGVPTLEGIQQVLNGIITPATIPSLGPWGLHNSNPMFY AWGANGLDAIITQLINQFENTGPPPADKEKIQALPTVPVTEHV GSGLECPVCKDDYALGERVRLPCNHLPHDGCIVPNLEQHDSCP VCRKSLTQNTATNPGLTGVSFSSSSSSSSSSSPSNENATSNS
6634	1	1134	CGGIPRKSGSPRRRLPMARLDRCLPRMLTLRSLLFWSLVYCYC GLCASTHLLKLLNSLGKGAQTFRRPAREHPPACLSDPISLTHC YVRIKDSGLRFHYVAAGERKPIMLLHGFPFHWYSWRYQLREF KSEYRVVALLDLRGYGETDAP IHRQNYKLOCLITDIKDILDSLAGY SKCVLIGHDNGMIAWLIACYPFEMVMKLIIVPPHPNVFTEYI I.RHPAQLLKSSYYYFPQIPWPFPEMFISINDFKVLKHLFTSHSTG IGRKGCLTTEDLEAYTVFVSQPGALSGPINHYRNI FSCPLPKH HMVTIPTLLLWGENDAFMEVMAEVTFRFYVKNYFRLTILSEASH WLQDQDPDIVNKLINTFLKERTKKD
6635	1420	470	EMRAGQQLASMLRWTRAWHLPREGLGPHGPSFARVPVAPSSSSG GRGGAEPRPLPLSYRLLDGEAALPAVVFLHGLFGSKTNFNSIAK ILAQQTGRRVLTVDARNHGDSPHSPDMSYEIMSQDLQDLLPOLG LVPCVVVGHSMGGKTAMLLALQRPVRLVERLIAVDISPVESTGVS HFATYVAMRAINIADELPRSRARKLADEQLSSVIQDMAVRQHL LTNLVEVDGRFVWRVNLDAITQHLDKILAPPQRQESYLGPTLFL LGGNSQFVHPSHPEIMRLFPRAQMOTVPNAGHWIHADRPQDFI AAIROFLV
6636	1514	1801	SFCMFSHKQDSHFQAVFPVQEKKRLRRAPWRAFAQPQLKHPAE QPIVRQCLQRPPLCGVLPVQQQLPPSLGVLSPHSDPGWCRVD DGGDGVF
6637	2	1501	CSSSPCFHDGTCVLDKAGSYKCACTAGYTCQRCENLLEAGKSKI KASEDSLVLBERNCSDPGGPVNGYQKITGGPGLINGRHAKIGT VVSFFCNNSYVLSGNEKRTCQNGEWSGKQPIKICACREPKISD LVRRRVLPMPQVSRETPHLQLYSAAPSKQKLQSAPTAKKPALPFG DLPMGYOHLHTQLQYECISPFYRRIGSSSRRTCLRTGKWSGRAPS CIPICGKIENITAPKTQGLRWPNQAATYRTSGVHDGSLHKGAN FLVCSGALVNERTVVAAHCVTDLGKVTMIKTADLKVVLGKFYR DDORDEKTIQSLQISAILHPNYDPIILLDADIAILLKLDKARIS TRVQPICLAASRDLSFSQESHITVAGWNLADVRSPPGPKNDTL RSGVSVVDSLLCEBQHEHDGIPVSVTDNMFCASWBPAPSDIC TARTGGIAAVSFPGRASPEPRWHLMLGLVSNYSYDKTCSHRLSTAF

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			TKVLPFKDWIERNMK
6638	1391	224	GGIPQAGGKMAAPWRAALCECRRWRGFSTSAVLGRRTPLGPM PNSDIDLNLERLEKYRSFDRYRRRAEQEAQAPHWRTYREYFG EKTDPEKIDIGLPPPKVSRTOQLLERKQAIQELRANVEERAA RLRTASVPLDAVRAEWERTCGPYHKQRLAEYYGLYRDLPHGATF VPRVPLHVAAYAGVEDDLMPPVYCGNEVTPTAAQAPEVTYRAEBG SLWTLTLLSLDGHLLBPDAEYLHLLTNPGRNVAEGQVTCPYL PPFPARGSGIHLRLAFLFLKQDQPIDFSEDARPSPCYOLAQRTFR TFDFYKKHQETMTAGLSYFQCRWDDSVTYIFHQLDMREPVE FVRPPPYHPKQKRFPHRQPLRYLDYRDSHEPTYGTIY
6639	2046	1268	IGCFIMDGGDDGCLLIKKRFVSEAELEDRRKRQEEWEKVRKPE DPECEPEEVDPRSLYERLQEQRKQDEYEEQFKFKNMVRGLD EDETNPLDVBVSROQELIEQRREBELKELKEYRNNLKKVGSQR NKKEVEKKLTVKPIETKPKPSQAKLLAGAVKHKSSESGNSVKRL KPDPEPDDKNQEPSSCKSLGNTSLSGPSIHCPSAAVCIIGILEPL GAYSGSSDSRSSDSSEGTINATGKIVSSIIFRTNTFLEAP
6640	117	1043	VLEPPDVSMASEDRSLRVLVGTGSGKSATANTILGEEIFDS RIAAQAVTRNCQKASREWQGRDLLVVDTPGLFDTKESLDTTCKE ISRCIISSCPGPHATVLLVLLGRYTEBEQKTVALIKAVPGKSSAM KHMVILFTRKEELEGQSFDHFIADADVGLKSIKBOGNRCCAFS NSKTSKAEKESQVQELVELIEKMQVQCNAGAYFSDDIYKDTERR LKQREEVLRKIYTDQNEEIKLVEEDKHKEEKKKEIKLLKLLK YDKIKNIRBEAERNIFKDFVNRINWMLSEIWHRFLSKCKPYSS
6641	1	894	SAAVGRSEVRGCAPEPRRLRRSAARMDEVPOTDSAPLAGLAWSS ASAPPPRGPSAISCTVEGAPASFCKSPAQKSGYFLCLSSLSLE NPQENVVADIQIVVDKSLPLGSPFVCDPMDSKASVSKKRMV KLLPLGATDTAVFDVRLSGKTKTVPGYLRIGDMGGFAIWCKKAK APRPVVKPRGLSRDMQGLSLDAASQPSKGGLLERTASRLGSRAS TLRRNDISYEASSLYGISAMDGVFTLHPRFEGKSCSPLAFSAF GDLTIKSLADISEEYNYGFVVEKTAARLPPSVS
6642	22	1296	PLEERMMTKMDPNDQQRDIIFHLRRIFAESDPSNAPGSGTE KRKAMYTKQYKMLGFTNHINPAMDFTQTTPGMLALDNLMLYLAKV HQDTYIRIVLENSSRDXHBCPFGRSAIBLTKMLCEILQVGBELP NBNRNDYHMFETHDRAPEELPGICIQLLNKTWKEMRATAEDFN KVMQVVRQITRALPSKPNSLDQPKSLRLSYSEILRLRQSER MSQDDFQSPPIVELRKKIQPEILELIKQRLNRLCEGSSFRKIG NRRQERFWYCRALNHLKVLHYGLDDNPGQEVTFESLQEKIPV ADIKAVTCKDCPHMKEKSALKQNKVELELAPSLIYDDETLNF IAPNKYEYCIWIDGLSALLGKDMSSSELTKSDLDTLSSMEMKLRL LDLENIQIDPAPPPIPKPSSSYDFVYHYG
6643	3049	2265	SLHAPAEGRTRGLAEKPKMLTRKIKLWDINAHITCRLCSGYLI DATTVTECLHTFCRSCIVKYLEENNTCPTCRIVIHQSHPLQYIG HDIRMQDIVYKLVPLQEAEMRKQREFYHKLGMVPGDIKGETC SAQHLDSDHRNGETKADSSNKGAABEKPEEDNDYHRSDEQVSI CLECNSSKRLGLKRWIRCSAQATVLLHKKFLAKKLNLSFNBEL DILCNEEILGKDHLLKPVVTRWRFKAPLLHLYRPMKMDLL
6644	1489	290	FRPLATEPRGSSPVQLVSSSTMVRLPLFLNLGGEMLYILDOR LRAQNI PGDKARKVLNDIISTMFRKPMELFKPQELYSKKALR TVYERLAHASIMKLNQASMDKLYDLMTAFKYQVLLCPRPKDVL LVTFNHLDTIKGFIRDSPTILQOVDETLRLQTEIYGGLSAGEFQ LIRQTLILFPQDLHIVSMPLKDKVQNMNGRFVLPVSGPVVPGT EVPGLIRMFNNKGEVVKRIEFKHGCVVPAPKEGSFEFYGDRVL KLGTMYSVNQPVETHVSGSSKNLASWTQESIAPNPLAKERLNF LARLMGMEIKKPSGPEPGFRLNLTDEEEQAAALTRPERLSY EVINIQTQDQQRSEELARIMGFEFITEQPRLSTSKGDDILAMM DEL

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6645	6530	4646	FVEGLAGYVYKAASEGKVLTLAALLNRSSEDIRYLLGYVSQQG QQRSTPLYIAARNGHAKVVRLLLEHYRVQTOQTGTVRFDGYYID GATALWCAAGAGHFVVKLLVSHGANVNHTTVTNSTPLRAACFD GRLDIVKYLVENNANISIANKYDNTCLMIAAYKGHTDVVRYLLE QRADPNKAHCGATALHFAAEAGHIDIVKELIKWRAAIVVNGHG MTPKVAASECKADVVELLLSHADCRRSRIEALELLGASFAND RENYDIKTYHYLYLAMLERFQDGDNLBKEVLEPPHAYGNRTE CRNPQELSIQRDRDALHMEGLIVRERILGADNIDVSHPIIYRG AVYADNMBFEQCICKLWLHALHLRQKGNRNTHKDLLRFAQVFSQM IHLNETVKAPDIECVLRCSVLEIEQSMNRVKNISDADVHNAMDN YECNLYTFLYLVCISTKTQCSBEDQCKINKQIYNLIHLDPRTRE GFTLLHLAVNSNTPVDDPHNDVCSFPNALVTLLKLLDCGAEVNA VDNEGNSALHIVQYNRPISDFLTLSIIISLVRGAHTDMTNK QNKTPLDKSTTGVSEILLKTQMKMSLKCLAAARAVRANDINYQDQ IPRTLEEFVGFH
6646	176	890	PSSRMNHLPEDMENALTGSQSSHASLRNIHSINPTQLMARIESY EGREKKGISDVRRTPCLFVTFDILLFVILLWIIELNVNGGIENIL EKEVMQYDYSSYFDIFLLAVFRFKVLILAYAVCRLRHWWAIAL TTAVTSAPLLAKVILSKLFSQGAFGYVLPPIISFILAWIETWFLD FKVL PQRAEEENRLLIVQDASERAALIPGGLSDGQFYSPPSESA GSEAEKQDSEKPLLEL
6647	176	890	PSSRMNHLPEDMENALTGSQSSHASLRNIHSINPTQLMARIESY EGREKKGISDVRRTPCLFVTFDILLFVILLWIIELNVNGGIENIL EKEVMQYDYSSYFDIFLLAVFRFKVLILAYAVCRLRHWWAIAL TTAVTSAPLLAKVILSKLFSQGAFGYVLPPIISFILAWIETWFLD FKVL PQRAEEENRLLIVQDASERAALIPGGLSDGQFYSPPSESA GSEAEKQDSEKPLLEL
6648	413	897	RNCWNCFTKYNFSPEDIDHKDSYLTIRSIMAEPDYIEDDNPEL IRPQKLINPVKTSRNHIDLHRELLMNQKRGAPQNKPELQKVM KRRDQVIRKQEEEAQKKSDLEILLKQKQKLEQLEKQKQKQ EBQENAPFVKVGNLRRRTGQEVAAQES
6649	1357	832	WIPRAAGIRHEVKWDVKEIMSQHNIIYVDALLKEFEQFNRRINEV SKRVRIPLPVSNIWEHCIRLANRTIVEGYANVKKCSNEGRALM QLDFQQLMKLEKLTDIRPIDKEFVETIYKAYYLTENDMERWI KEHREYSTKQLTNLVNVLGSHINKKARQKLLAAIDDIRPKR
6650	32	765	LVPLVFSLLVQSCQVYRSIAMKFVPCLLLVTLSCGLTGLQAPR QKQGSTGEFFHQGTGGRDSCMRPSSIGQGAGEVWLRVDCRNTD QTYWCEYRGQPSMCQAFADPKSYWNQALQELRRLHHACQGAPV LRPSVCREAGPQAHMQQTSSILKGSPEPNQPEAGTSPSLRPKAT VKLTATQLGKDSMEELCKAKPTTRPTAKPTQPGPRPGGNEEAK KRAWEHCNKPFOALCAFLISFPRG
6651	3425	1353	ARELLKVGDFSLCAGPYQNTADTMENLSKREPLASFVSESFDISA CGIATEHVKIDNSGEGLTAEAGSETLSRDGEVGVNSDMHYELSG DSDLDLGDGCRNPRLDLEDSTYLRGSYTRKKDVPTDGYBSSLNF HNNNQEDWGCSSWVPGMETSLPPGHWTAAVKKEKCVPPYVQIR DLHGILRTYANFSITKRLKDTMRTSHGLRRHPSFSANCGLPSSW TSTWQVADDLTQNTLDLEYLRFHKLKQTIKNGDSQHSASSANV FPKESPTQISIGAFPSKISEAPLHPAPRSRSPLLVTVVEDP RPQCGPRRGYTASSLDSSSSWRERCCHNRDLRNSQRNHTVSFHL NKLKYNSTVKESRNDISLILNEYAEFNKVMKNSNQFIQDKELN DVSGEATAQEMYLPFPGRSASYEDIIIDVCTNLHVKLRSVVKEA CKSTFLFYLVETEDKSFVTRTKNLLRKGHTEIRPOHFQCAFHR ENDTLIIIRNEDISSHLHQIPSLKLLKHFPSVIFAGVDSPGDV LDHTYQELFRAGGFVISDDKILRAVTLVQLKEIKILEKLNNG RWKLLHYRENKLLKEDERVDSTAHHKNIMLKSPQSANTIIEHL YHQCDSSSTKAEILKCLLNLQIQHIDARFAVLLTDKPTIPREV

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			FKNNGILVTDVNNFIENIEKIAAPFRSSYW
6652	2	1343	IPGSTTSCSCHSRRLRGSGSPAPRISLGAASPRPRPPSLPLPLPLPPLFLPTRPAERAWIRSRRASEWVGKMEVPRLDHALNSPTSPCEEVVKNLSLEAIQLCDRDGNKSDSGIAEMEELPVPHNIKISNITCDSFKISWEMDSKSKDRITHYFIDLNNKENKNSNKFPHKDVPTKLVAKAVPLPMTVRGHWFLSPRTEYTVAVQTASKQVDGDYVWSEIEIEFCTADYSKVHLTQLLEKAEVIAGRMLKFSVFYRNQHKFYFDYVREHGNAMQPSVKDNGSGHSGPISGKLEGIFFSCSTERN TGKPPQDSPYGRYRFEIAAEKLEFNPTNLYFGDFYCMYTAYHYVILVIAPVGSPGDEFCKQRLPQLNSKDNKFLTCTEEDGVLVYHHAQDVILEVIYITDFVDSLGTVAEITGHQLMSLTANAKKDPCKCTCNISVGR
6653	170	1910	FFLEPRLRPFASRARFVPARTRPSPLHPCCFCFEGGSMSPQRVAASARGADAMESSKPGFPVQVVLVQDQHSFELDEKALASILLQDHIRDLDVVVSVAGAFRKGKSFILDFMLRYLYSQKESGHSNWLGDPREPLTGFPSWRGSGDPETTGIIQWSEVFTVEKPGGKVAVVLMDTQGAQDSQSTVKDCATIPALSTMTSSVQIYNLSQNIQEDDLQQLQLFTFYGRILAMDEIFQKPPQTIMPLVRDWSFPYRYSYGLQCGMAFLDKRLQVKEHQHEEIQVNRNHIHSCFSDVTCFLLPHPGLOVATSPDFDGKLDIAGEFKELQALIPYVLNPSKLMKEKINGSKVTCRGLLEYFKAYIKIYQGEDLPHPKSMLOATAEAYNLAAASAKDIYNNMEEVCGGKPYLSPDILEEKHCERKQLALDHFKKTKMGKGKDFSFYQQLLEEELIKELYENFCRINGSKNVFSTFRTPAVLTGTGIVALYIASGLTGFIGLEVVAQLFNCMVGLLLIALLTWGYIRYSGQYRELGGADFGAAYVLEQASSHIGNSTQATVRDAVVGRPSMDKKAQ
6654	1	705	RTSLSPSCQCSFNLMASAGMQILGVVLTLLGVNGLVSCALPMWKVTAFIGNSIVVAQVWVWGLWMSCVVQSTGQMCKVYDSLLALPDQLQAARALCVIALLVALLFGLLVLAGAKCTTCVEEKDSKARLVLTSGIVFVISGVLTLPVCWTAHAVIRDFYNPLVAREAKRELGASLYLGWAAAGLLLLGGGLLCTCPSGGSGQPSHYMARYSTAPATSRGPSEYPTKNYV
6655	341	16	KDAYMPKKGLLALALVPSLPVFAAEHWIDVRVPEQYQERHVQGA INIPLKEVKERIAATAVPDKNITVKVYCNAGRQSGQAKELISEMGYTHVENAGGLKDIAMPKVKG
6656	2	1212	TBLPPRPANLATQPPLSPLRALAPLEKPGAVPPPOKRMKAVAKDLNPGVKMSLGLQSQARGVACLGCCKGTCSGFEPHWRKICKSKCKSQEDHCLTSDLEDDRKIGRLLMDSKYSTLTARVKGDDGIRIYKRNRMIMTNPIATGKDPFTDITTYEWAPGVTTQKLGLQYMEIIPKPKQPVGTGEGAFYRRRLMHQLPIYDQDPSRCRGLLENELKLMEEFVKQYKSEALGVGEVALPGQGLPKKEGKQEKPEGAETTAATTNGSLSDPSKEVEYVCLCKGAAPPDSFVYSDRAGYNKQWHP TCFVCAKCEPLVDLIYFWKDGAPWCGRHYCESLRPRCSGCD EITFAEDYQORVEDLAWHRKHFCVCEGCEQLLSGRAYITVTKGQLLCPTCSKSKRS
6657	830	2120	LLTCQRRAGDCLLSASTMKEVVYWSPKKVAWMLLENAMPEYCEPLEHFTGQDLINLTQEDFKKPPLCRVSSDNGQRLDDMIETLRMEHLEBAHKNHGHANGLNIGVDIPTPDGSPSIIKIPNGMPNGYRKEMIKIPMPBLERSQYPMENKGTPLAFLYALSCFVLTTVMISVVHERVPPKEVQPLPDTFFDFHFNVRVQWAFSICEINGMILVGLNLQIWLKLYKSIISRRFFCTIVGTYLYRCITMYVTTLVPVGMHFNCSPLFGDWEAQLRRIMKLIAGGGLSITGSHNMCGDYLYSGHTVMLTLYLFIKEYSPRLWVYHWCWLLSVVGIFCILLADHYTVDVVVAAYITTRLFVWYHTMANQQVLEBASOMNLLARVWVYRPPQYPEKNVQGVPRSYHWPFPVPHLSRQVKYSRLVNDT
6658	35	855	HCCALGAPGSPYRGLYFSSAAPCTAPRKAKHQSTLEGLTKRMLM

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			FDPVPVKQEAAMPVSVSYSPSNYMESMKPNKYGVIIYSTPLEPEKFF QTPGGLSHGIQMBPVDLTVNKRSSPPSAGNSPSSLKFPSSHRRRA SPGLSMPSSSPPIKKYSPSPGVQPPGVPLSMPPVMAAALSRHG IRSPGILPVIQPVVVPVPPMYTSHLQQPLMVSLSERMENSSES MQVPVIESYEKPISQKKIKIEPGIEPQRTDYYPEKMSPPIMNSV SPQALQEQ
6659	18	523	EPQRGDCETWFPQNCSLPKFVCFCCWGFWLWRAHSMNSLHSLPGL RGLTISRNLQCTNAMRVINNYQRRWKNQNTFLLATFANVVNV CGNPTITCPHNRTLNCHHSQVQVPLMYCNLTTPSPONISNCRY AQTANMFYIVACDNRDQRRDPQYVVPVHLHTII
6660	514	1707	CAASLDCRHHLCEDPMKLWVWPSAKLLQAAGASARACDSVTSNV LPLLEQFHKHSQSSQRTILEMLLGLKLQKMSYEDKQRP NGFKDQLCSLVFMALTDPTSLQLVGIITLTVIGAQPDLSSYED LELAVGHLYRLSFLKEDSQSCRVAALEASGTLAALYPVAFSSHL VPKLABELRVGESNLINGDEPTQCSRHLCLQALSASTHPSIV KETLPLLLQLHQLWQVNRGNMVAQSSDIVAVCSLRQMARKCQDDP ESCWYFHQTAIPCLLALAVQASMPEKPSVLRKVLEDEVLAAM VSVIGTATTHLSPLAAQSVTHIVPLFLDGNVSFLPENSPPSRF QPFODGSSGQRRLLALMAFVCSLPRNVSEHIWEVLLFNLDKVT PG
6661	179	430	GVHAASGTLSATWLAELAKMFDLSAKAGKYLGAALMIGMPDYD NYVEHMRVNHDPQTPMTYEEFFRERQDARYGGKGGARCC
6662	185	423	RSLPKPAPAPASIHCAFPSTVPTTAKTAMSDGNTAFNALMYC GPKADDGNIIFSACAPASSAVKASVSAQPGQAVIP
6663	3	1005	RPVLSRVDDFVPPPLPETSGRKKLERMYSVDRVSDDIPIRTWF PKENLFSFQTAFTMAQISNFRKHLRMVSGRRVKAQTFARERRR SFSRSWSDDPTPMKADTSHDSDSSDLQSSHCTLDEAFEDLDWDT BKGLEAVACDTEGFVPPKVMLISSKVPKAEYIPTIIRDDPSII PILYDHEHATFEDILBEEIERKLNIVYHKGAKIWKMLIFCQGGPGH LYLLKNKVATPAKVEKEDMIHFWRKLSRLMSKVNPEPNVIHIM GCYILGNPNGEKLPQNLRTLTTPYRVTFESPLELSAQGQMIET YFDFRLYRLWKSQRHSLKLLDFDDVL
6664	58	968	PRLLRLPRSVVMDSPWDELALAFSRTSMFPFFDIAHYLVSVMA VRQPGAAALAWKNPISSWFTAMLCFGGGILSCILLAEPLKF LANHTNILLASSIWIYITFFCPHDLVSQGYSLPVQLLASGMKEV TRTWKIVGGVTHANSYYKNGWIVMIAIGWARGAGGTIITNFERL VKGDWKEPGEDEWLKMSYPKAVTLLGSVIFTFQHTQHLAISKHNL MPLYTIFIVATKIMTMTQTSTMTFAPFEDTLNMLFGWQQPFS SCEKKSEAKSPSNGVGLASKEPVDVASDNVKKKHTKKNE
6665	171	1278	DERRRLACRQVVTQQRSLYPGFQKRQRPLEKAGEEAAAQGRHL PGRWLGPGCTQNPSCSVHTATGPEPRKLPLLPPDSPNSGYKPEPA ALCFGIPSPCRMTHQDLSITAKLINGGVAGLVGVTCVFPIDLAK TRLQNHGKAMYKGMIDCLMKTARAEGFPGMYRGAANLTLVTP EKAIKLAANDFFRRLMEDGMQRNLKMEMLAGCGAGMCQVVVTC PMRMLKIQLDAGRLAVHHQGSASAPSTSRSYTTGSASTHRRPS ATLIANELLRTQGLAGLYRGLGATLLRDIPF9IIYFPLPANLN LGFNELAGKASFAHSFVSGCVAGSIAAVAVTFLDVLKTRIQTLK KGLGEDMYSGITDCAR
6666	498	2868	MTTFLPVPMAGFSFGTFGNPPMESPSAWQTIHQFFIVSCLTL WSPGCWPPQIQKEGVGLWDIRKQSSLLRYGGNLSLQASMSVRP NSNGTQLLALRRRLPPVLYDIHSRLPVQFDNQVYFNSCTMKSC CFAGDRDQYILSGSDDPNLYMWRI PADPEAGGIGRVVNGAFMVL KGHSIVNQVRFNPHYTMICSSGVEKIIKINSPIYKQPGCTGDL GRIEDDSRCLYTHEEYISLVLSGSGLSHDYANQSVQEDPRMA FFDSLVRREIEGWSSDSDSLSESTILQLHAGVSRSGYTDSES SASLPRSPPTVDESADNAFLGLRVTTTNTVASTPPTPTCED

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			AASRQRLSALRRYQDKRLIALSNESDSEENVCEVELDITLDFPR PRSPSPDESSSSSSSSSEDEELNERRASTWQONAMRRRQKT TREDKPSAPIKPTNTYIGEDNYDYPQIKVDDLSSPTSSPERST STLEIQPSRASPTSDIESVERKIYKAYKWLRYSYISYNNKDG TSLVTGEADEGRAGTSHKDNPAPESSSKEACINIAQNRNQLPP EGCSKDTFKEETPRTPSNGPGRHSSHAWAEVPGTSQDTGNSG SVEHPFETKKLNGKALSSRAEPPSPVPKASGSLNSGSGNCP RTQSDDEERSLETICANHNNGRLHPRPPHNNQNLGELELV AYSSPGHSDTDRDNSSLTGTLHKDCGSHMACETPNAGTRMDP TDTPATDSSRAVHCHSGLKRRRIELEDITDSENSSEKKLKT
6667	171	1310	ABEVRLEAAMRSDSLVPGETHTPPIRRRSKFANLGRIPKPKWKRK KKSEKFKHTSAALERKISMRSREELIKRGVLKEIYDKDGLSI SNEEDSLENGQSLSSSQLSLPALSEMBFVPMRPDPCSYEVLPQS DINDGPDGPAPVKLPCLPVKLSPLPPKKVMICMPVGGPDLSLV SYTAQKSGQGVAAQHHTVLPSSQIQHQQLQYSGHQHLPSTTGLS PMHPSCRMIDELNKTAMTMRLESSEQRVPCSTSYHSSGLHS GDGVTKAGPMGLPEIRQVPTVVIECDNKENVPHESDYEDSSCL YTREEEEEEDEDDSSLYTSSLAMKVCRKDSLAIKPSNRPSKR ELREKNILPROTDEKRELRQIQICTKL
6668	714	358	TLAVATGPALTLCRCHVCTSSNCKHSVVCASSRFCKTTNTVEP LRGNLVKDCAESCTPSYTLQGVSSGTSSTQCCQEDLCNEKIH NAAPTRTALHSAALSGLALSLAVILAPSL
6669	459	1207	KDBETRKDYDMLDHPERYSHYHYYSRRLAPKVDVVRVILVS VCAISVPQFSSWNSYNKAI SYLATVPKYRIOATEIAKQGLLK KAKKKGKVKKSKEEIRDEENIKNIIKSKIDIKGGYQKPKQICD LLFLQIILAPFHLCYSYIVWYCRWIYNFNKCKRYGEERLYITR KSMKMSKSOQFDSLSDHQKETFLKRELWIKENYEVYKQEBEELK KKLANDPRWKRYRRWMQNEGPGRLTFVDD
6670	184	594	VARI*GEAAKMSSEPPPPYPGGPTAPLLEKSGAPPTGRSSPA VMQPPPGMPLPPADIOPPPYEPGHPMPQPGFIPPHMSADGYM PPGFYPPPGPHPMGYPPPGYTPGPYPGGHTATVLVPSGAA TITVT
6671	1	763	LPKPKPSAPNMAGGRGCPQLTALLAAWIAAATAAGPERAALP PEQSRVQPMTASNWTLVMEGEWMLKFYAPWCPSCQQTSEWEAF AKNGEILQISVGKVDVIEPGLSGRPFVTTLPAFFHAKDGI FRR YRGPGEFEDLQNYILEKKKQSVLEPLTGWKSASLTMSGMAGLFS ISGKIWHLHNYFTVTLGIPAWCSYVFFVIATLVFGLSMDLVL*V ISQCNWDPPYRHVS*/RPSTNLGVHTAHTSEHLRL
6672	304	1089	APGSKPVQFMDFEGKTSFGMSVFNLSNAINSGSILGLAYAMAHT GVIFFLALLLCTALLSSYSIHLLLTCAGLAGIRAYEQLGQRAF PAGKVVVATVICLHNVGAMSSYLETIKSELPLVIGTFLYMDEPG DWFLKGNLLIYIVSVLIIPLALMKHLGYLYTSGLSLTCLMFF LVSVIYKKPQLGLCYRATMKQWSEALVGTQPRDSTAAVKAQ MFHS*LTGVLTPQWPIMAFAFVCHPGGAGPSITELCRAFOAQD
6673	1116	1963	LQIQTHHTHIGARVTHLGSIIQLLANAGTMLCRQSSSMAPAFSQ SVTCGPSPCVRKQESATKCLHIGACGSDLWARGWEQG*G*GINV WLCPVAFHARGARPAEAGGARWNSLVSSPWI PNP*HSSIGAE NAVPRP*QG*KVNSGQERQS\WVLPLVPGEPLKLPGLPG*NK SFSRV/SGSKGKWLPRQLM*AS*R\TPRFVPGTQWVPIW/PL ITWH*SAPTFPLKACAPAPRSDPCSSCLSCPCVTOHPRFSDTGW FGAGHCHSSCDFTRKGAAGGPG
6674	1	440	LEFDYMCQYDYVEVRDGDNRDGGI I KRVCGNERPAPIQSIGSSL HVLHSDGSKNPDGFHAIYEEITACSSSPCFHDTCTVLDKAGSY KCACLAGYTCQRCENLEERNCSDPG/WPSQWVPENNRGPWAYQ PTPC*IGTRVAFFLT

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6675	277	1678	GNWPTERMAFLDNPTIILAHIRQSHVTSDDTGMCEMVLIDHDVD LEKIHPPSPMPGDSGSEIQGSNGETQGYVYAQSVDITSSWDFGIR RRSNTAQRLERLRKRQNIQKCNIQWKERNKQSAQBLKSLFE KKSLEKEKPPISGKQSILSVRLQCPQLQNNPFNEYSKPDGKGHV GTTATKKIDVYLPPLHSSQDRLLPMTVVIMASARVQDLIGLICWQ YTSEGREPKLNDNVSAICLHIAEDDGEVDTFPPPLDSNEPIHKF GFSTLALVEKYSSPGLTSKESLFPVINAAGFSLIQVDNTKVTM KEILLKAVKRRKGSQKVGSRADGVFEEDSQIDIATVQDMLSSH HYKSFKVSMIHRLRFTTDVQL/GCALPFGVLKRAAPVDCLRPS ADTWRQEQIGCGAACAALRS*DSHKC*EGISGDKVEIDPVTNQ KASTKFWIKQKPIISIDSLLCAC\DLAEE
6676	277	1678	GNWPTERMAFLDNPTIILAHIRQSHVTSDDTGMCEMVLIDHDVD LEKIHPPSPMPGDSGSEIQGSNGETQGYVYAQSVDITSSWDFGIR RRSNTAQRLERLRKRQNIQKCNIQWKERNKQSAQBLKSLFE KKSLEKEKPPISGKQSILSVRLQCPQLQNNPFNEYSKPDGKGHV GTTATKKIDVYLPPLHSSQDRLLPMTVVIMASARVQDLIGLICWQ YTSEGREPKLNDNVSAICLHIAEDDGEVDTFPPPLDSNEPIHKF GFSTLALVEKYSSPGLTSKESLFPVINAAGFSLIQVDNTKVTM KEILLKAVKRRKGSQKVGSRADGVFEEDSQIDIATVQDMLSSH HYKSFKVSMIHRLRFTTDVQL/GCALPFGVLKRAAPVDCLRPS ADTWRQEQIGCGAACAALRS*DSHKC*EGISGDKVEIDPVTNQ KASTKFWIKQKPIISIDSLLCAC\DLAEE
6677	277	1678	GNWPTERMAFLDNPTIILAHIRQSHVTSDDTGMCEMVLIDHDVD LEKIHPPSPMPGDSGSEIQGSNGETQGYVYAQSVDITSSWDFGIR RRSNTAQRLERLRKRQNIQKCNIQWKERNKQSAQBLKSLFE KKSLEKEKPPISGKQSILSVRLQCPQLQNNPFNEYSKPDGKGHV GTTATKKIDVYLPPLHSSQDRLLPMTVVIMASARVQDLIGLICWQ YTSEGREPKLNDNVSAICLHIAEDDGEVDTFPPPLDSNEPIHKF GFSTLALVEKYSSPGLTSKESLFPVINAAGFSLIQVDNTKVTM KEILLKAVKRRKGSQKVGSRADGVFEEDSQIDIATVQDMLSSH HYKSFKVSMIHRLRFTTDVQL/GCALPFGVLKRAAPVDCLRPS ADTWRQEQIGCGAACAALRS*DSHKC*EGISGDKVEIDPVTNQ KASTKFWIKQKPIISIDSLLCAC\DLAEE
6678	221	865	GPSNQSSGSLSLIVTGCSSYWS*INDTCTILEVLSSNEGRQ*LR PFPCSQLEPMSQGLWHLDCCPWVPIPGQWRKGRQMRN*QS LLGSDQBSVGLDLCVFFVNFLLHVLGLFP*PHELFLLEPVDLG FLFPLLLQGGCHCLVLPANLVSQAPQIGKISCLQLTHDLEGSRN HHPLEFLVGRWDVAKHLETQVSGLASLGFVGQHTSHGPP
6679	2	786	LEFARGAMPFLGQDWRSPGQNVVKTVDGWRFLDEKSGSFVSDI SSYCNKEVYNKENLNSLNYD/SCSQEKEGHA*QNQNS\DPH QERWYVHKGSTKERHGYCTLGEAFNRLEFSTAILDSRRFNIVV RLLELIASQSLTSLGIAQKNFMNILEKVVLKVLEDOQNTILIR ELLQTLTSLCTLVVRVGSVLVGNINMVMYRMETILHWQQQLN NIQITRVSGQAQPPPGSGSLHRDTGQTRQDFEPTPVTESGLF
6680	1498	2951	PLCTLPLMPSALPGWAGERWEKQWPLA/PGPGTWQTPVGSISSE P/RKNEPDTHCPRGARPEV*HLPKPHSPGSEGAEIQTSA*ALP /NQVSPQPM*GAENGQDQGGKERAGEBELHRSSSGLTAAPGF? EVHRNLQTFGLPSRGGG/CGAGTQGSWAPGEQPP/SPLLPAS MORSQAGLPGWEAGLVESPTTHIPALRPSGINATGEAFPTTCS SGP/PAPPGPTGLRPGGGSSSGHG*PGLFVGKV\GALGAAQD PQSQGRGPTQGTGTEMLLSGLGSAKACAPARPAV*LPSPDPA TIPKKGTRGFGGPGVLOERNRWVGRAGGFTSADAAGTAPGV *LPAPLSQPPGATEPQVRACGMAPPSPGTSGLRVANGRHPPQV AQGCPPGAGCWCSPRGSQRCPTTYTHSPLGHRAPCPRRCNH* WQDPFSSPRTGCLPGIPARQAYSAPRTRSPRIRTGRAAYGPIR PQGGGG

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6681	1169	511	INYYIYNQQQRAPEHLK\EKLMSPATGLPDLTKLFTLHVSEERE KMTVGVLTTQTGVPWSRPGAYLSKQLDGVSQGWPPCPRALAATAL LAQEADELTLRQNLNRKSPHA\VVTLINTKGHH*LINARLTRYQ TLLCENPHKTIEVSNT/LNPATLLLVTRSPVKHNCLEVLDSVYS SRPNLRDHP*TSVDWELVVDGSGFANPCKVTLKKETSAPVITPR S
6682	109	1238	TVLCGAMQVSSINEVKIYSLSCGKSLPEWLSDRKKRALQKKDQD VRRRIELIQDFEMPTVCTTIKVSQDQYILATGTYKPRVRCYDT YQLSLKFERCLDSEVVTFEILSDDYSKIVFLHNDRYIEFHSQSG FYYKTRIPKGRDPSYHYPSCDLYFVGASSEVYRLNLBQGRYLN PLQTDAAENNVCDINSVHGLFATGTIEGRVCEWDPRTNRNVGLL D\AP*TVSQQIQR*TSLEPTISALKFN\GALTMVAGTTTGQVLLY DLRSDKPLLKDHQYGLPIKSVHPQDSLDLILSADSRIVKMNWK NSGKIFTSLEPEHDLNDVCLYPNSGMLLTANETPKMGIYYIIPVL GPAPRWCSFLDNLTERLEENPESNE
6683	109	1238	TVLCGAMQVSSINEVKIYSLSCGKSLPEWLSDRKKRALQKKDQD VRRRIELIQDFEMPTVCTTIKVSQDQYILATGTYKPRVRCYDT YQLSLKFERCLDSEVVTFEILSDDYSKIVFLHNDRYIEFHSQSG FYYKTRIPKGRDPSYHYPSCDLYFVGASSEVYRLNLBQGRYLN PLQTDAAENNVCDINSVHGLFATGTIEGRVCEWDPRTNRNVGLL D\AP*TVSQQIQR*TSLEPTISALKFN\GALTMVAGTTTGQVLLY DLRSDKPLLKDHQYGLPIKSVHPQDSLDLILSADSRIVKMNWK NSGKIFTSLEPEHDLNDVCLYPNSGMLLTANETPKMGIYYIIPVL GPAPRWCSFLDNLTERLEENPESNE
6684	111	527	GLRGCTSRGRAGREPRFAAGVLCVVAGFCQSPCPGGGRGREAPA PP\SGRRHA*RP*WLGPGGDSGREGGS/GELQRAMESKMG ELPLDINIQBPRWQSTFLGRARHFFVTVDPRNLLLSGAQLEAS RNIVQNYR
6685	258	1473	KLLGDNFEGFCNKFELSDSENGSNS*QSPL\FDRLFDDPQKVL QGVDMKNVAGNKKQKANLIVLGAVPRLLYLLOQETSSSTELKT BCAVVLGSLAMGTENNVSLLDCHIIPALLQGLLSPDLKFIEAC LRCLRTIFTSPTPELLYTDATVIPHMLALLSRSTYQBYICQ IFSHCCGPDHQTILPNHGAQNIAHLLTSLSYKVRMQALKCF VLAFFENPOVSMTLNVNLVDGELLPIFVRLQORDKP IEMQLTSA KCLTYMCRAGAIRDDNCIVLKTLPCLVRMCSKERLLERBEVEGA ETLAYLIEPDVELQRIASITDHLIAMLADYKYPSSVSAITDIK RLDHDLLKHAHELQAAFKLYASLGANDERYKKVSLGEGRPVVL TASRQGVTS
6686	310	927	DSVTFDDLAVDFTPKWTLLDPTQRNLYRDVMLENYKNLATVGY QLPKPSLISWLEQESRTVQRCDFQASEWKVQLKTKELALQODV LGEPTSSGIQMIQSHNGGEVSDVRQCGDVSEH3CLKTHVRTQN SENTFFCYLYGVDFLTLHKKTSTGEQSVFHVWKKPSSLNPDV VCQKRNCTRKKA*F*LQITLKGKSPH*SIHT
6687	181	915	EAMLEAPYKKEDEQQRKEVKDYPSNTTSTSNSENETSGSST IGETSNRSDRDRYRRNRSSRSPGRQCRHRSRWDRRHGSES SRDHRREDRVHYRSPPLATGEPVDNLSPEERDARTVFCMQLAAR IRPRDLEDFFSAVGKVRDVRIISDRNSRRSGIAYVEFCEIQSV PLAIGLTGQRLLGVPIIVQASQABKNRLAAMANNIQQKNGGPMR LYVGSLEHFNITEDMLRGIFEPFGKV
6688	1025	1	AEVENVYPRVPHKCPDSCWRFKQPIQLQPYILLFSSEKPPISF SEPLPR/SATARMATAAAPNSSIDLPSDSGMGFIISAGDSLD LPSDGGTGFFSLAGDSSSTRILSLAFISFSLSSVSVGSAGTTS STSVGSVVAAPTSSSSSSTNRDVAGLDFSTVITSVSGSLVPSRE VAVICGSKGAGASGASCSRRAGKTTTATAASSMPSGTSSTC TMSLEELFSLFSPAPLLSKLFTSSGSLAICQDSSGSDTGRLS VCQLWLADSDTGKLSDCQEVTVGDSGGLTCPELSLGRM*MSLL

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			SSAVIPGYSSSSDSRLNTVPTVDLLCPFQTKSST
6689	640	1299	SSSASYATSATSISDTAFSGSLKLLHGLLSALDSSSRTS*STSS AEDSTFRICSPVSDTSSDSSGSKDNVILILFSKVS*SCFSLSS FFSDSISFCFSSSSFCR*FVSSKVSQNALSSRLSNGPGSSK QRNSLTARQLAMSL*ATKF*RNACNPNCLSSKKSAL*LSLNQRF GGSASRKPQNI SPNSQKCSALSYCCNFV KPREVSVSSENYPAF
6690	1	442	GTRGKMAATLGPLGSWQWRRCLASRDGSRMLLLLLLGGSGQP QQVGAGQTFEYLKREHSLSKPYQGVGTGSSSLWNLMGNAMVMTQ YIRLT PDMQSKQ GALWNRVPCFLRDWELQVHF KIHGQGGKNL\H GDGLAIWYTKDRMQP
6691	287	1401	LKTETSEEKARRYKDRPSQLNAVPOEQKKNIAQESITLEDVAV DFTWEWQLLGAAQKDLYRDVMBENYSNLVAVGYQASKPDALFK LBQGEQLWTIEDGIHSGACSDIWKVDHVLRLQSESLVNRKPC HHDADFENIVHCSKSQFLLGQNHDFDLRGSKLSNLTIVNQSK GYEIKNSVEFTGNGDSFLHANHERLHTAKFPASQKLISTKSQF ISPKHQKTRKLEKHEVCSECGAFIKKSWLTDHQMHTGEKPHR CSLCEKAPSRKFMTEHQRTHTGEKPYECPECGKAPLKKSRANI HQRTHTGEKPYICSECGKGFQKGNLIVHQRIHTGEKPYICNRC /GKGFQKTCILAHQRPHTER
6692	178	939	WIKGEGLSLWERFCANIIKAGMPMKHIAFIMDGNRRYAKKQV RQEGHSQGFNKLAEFLRWCLNLGILEVTVYAFSIEFNRKSKSEV DGLMDLARQKFSRLMBEKEKLQKHGVCIRVLGDLHLPLDLQEL IAQAVQATKNYNKCFNLVCFAYTSRHEISNAVREMAWGVQGLL DPSDISESLDKCLYTNRSPHPDILIRTSGEVRLSDFFLWQTS SCLVFQPVWLWPEYTFWNLFRAILQFQMNHSLVQK
6693	178	939	WIKGEGLSLWERFCANIIKAGMPMKHIAFIMDGNRRYAKKQV RQEGHSQGFNKLAEFLRWCLNLGILEVTVYAFSIEFNRKSKSEV DGLMDLARQKFSRLMBEKEKLQKHGVCIRVLGDLHLPLDLQEL IAQAVQATKNYNKCFNLVCFAYTSRHEISNAVREMAWGVQGLL DPSDISESLDKCLYTNRSPHPDILIRTSGEVRLSDFFLWQTS SCLVFQPVWLWPEYTFWNLFRAILQFQMNHSLVQK
6694	292	813	SLLHLAPPGAYTPSQPLSSVSTETASSVRRQAASRQHEL PVR EVHSLGQILPQDGLTARAGPPEAQDPWGSPGISLPAAHIGFAAA LAVGPSGCHTEP\FDEVWPSLFLGDAYAARDKSKLIQLGITHV NAAAGKFPQVDTGAKFYRGMSLEYGIRADDNPPFDLSVYFLP
6695	292	813	SLLHLAPPGAYTPSQPLSSVSTETASSVRRQAASRQHEL PVR EVHSLGQILPQDGLTARAGPPEAQDPWGSPGISLPAAHIGFAAA LAVGPSGCHTEP\FDEVWPSLFLGDAYAARDKSKLIQLGITHV NAAAGKFPQVDTGAKFYRGMSLEYGIRADDNPPFDLSVYFLP
6696	1	782	PRVRGRVGERWAFSLVPAAMSSMEPLLAWSYFRRRKQFQCAD LCTQMLEKSPYDQAAWILKARALTEMVYIDEIDVDOEGIAENML DENAIQVFRPGTSLKLPGTNQTGGPSQAVRPITQAGRPITGFL RPSTQSGRPGTMEQAIPTPTATYARPTSSSGRFVRLGTASML TSPDGPFINLSRLNLTKYSQKPKLAKALIBYI PHENDVKTALD LAALSTEHSQYKDWK/DQIEKCYRVGMVREABKQIKSS
6697	3	782	PPLFLRLNSRALRPGSRKVMVVPASLSGQDVGSFAYLTIKDR IPQILTKVIDTLHRHKSEFFKEHGBGVBAEKKAISLLSKLRNE LQTDKFPILVEKFDVIDIWNQYLEYQSSLLNESDGKSRWFYSP WLLV\ECYMYRRIHEAI\IQSPIDYFDVFKESKEQNFYGSQES IALCTHLQQLRTIEDLD\ENQLKDEFFKLLQISLWGEISVDL SL\SGGESSSQNTNVLNSLEDLKPFI LLNDMEHLWLSLSNCK
6698	668	754	VGSCACAGSCCKCKECKCTSCCKSECRAPP
6699	325	492	EGELP/PARRVLPRAMTASAPRGRRPVGVGVVVTSCKHPRCV LLGKRKGSVAGSQPLPGHLEFGETWECAQRETWEAAALHLK NVHFASVNSFIBKENYHYVTILMKGEVDVTHDSEPKNVEPEKN

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			ESKRRIIYNHAPFFQESKWSGGTILQ
6700	1098	1392	TQCWRSSSTPGMRTHFRTQP/RLECGQGFSQQENGHOMDTNECICQ FFVFCPRDKPVCVNTYGSYRCRTNKKCSRGYEPNEDGTACVERT LLGLCNLLGK
6701	2	1485	AAAGPRTVRRAAFEGQSPSPSGLGPTSDKAAAPRTPKRRRLW RQRQ/HPAMLCYVTRPDAVIMEVEVEAKANGEDCLNQVCRRLGI IEVDYFGLQFTGSGESLWNLNRNRIQQMDGLAPYRLKLRVKF FVEPHLILQEQTRHLYFFLHKRALLAGHLCSPEQAVELSALLA QTKFGDYNONTAKYNYEELCAKRLSSATLNSIVAKHKELEGTSSQ ASABYQVLQIVSAMENYGIENHSVRDSEGGKLLICGVPEGISIC KDDFSPINRIAYPVVQMATQSGKNVLTVTKEGNSIVLLPFKM STRAASGLYRAITETHAPYRCDTVTSAVMMQYSRDLKGLHLSLF LNENINLGKKYVPDIKRTSKEYVDHARRALYNAGVVDLVSRNNQ SPSHSPLKSSSESSMNCSSCEGLSCQQTRVLQEKRLKLEAMLCM VCCBBEINSTFCPCGHTVCCESCAAQLQVGESAAHFCLQPHLSL LLTGSRSQVLAR
6702	397	1971	PLAKFLKLDLVNVLCLPMEDVPLFYRTCFCSMGLGSSCHLSLPK RARALLCSRKATVVRDLVAVRMAEBQEFTQLCKLPAQPSHPHCV NNTYRSAQHSQALLRGLLALRDEGILFDVVLVVEGRHIEAHRIL LAASCDYFKGMFAGGLKEMEQUEBVLHGVSYNAMCQILHFIYTS ELELSLSNVQETLVAACQLQIPEIHFCCDFLMSWDEENTLDV YRLAHLFDLSRLTEQLDTYILKNFVAFSRTDKYRQPLEKVYSL LSSNRLEVSCETEVYEGALLYHYSLEQVQADQISLHBPPLLET VRFPIMEAEVLQRLHDKLDPSPLRDTVASALMYHRNESLQPSLQ SPQTELRSDFQCVVFGGIIHSTPS\MSSATRPKYLNPLLGWKKH FTASLAPRMSNQGIAVLNMFVYLIGDNNVQGFRAESRCWRYP RHNRFQIQSLQOEHADLSVCVVGRIYAVAGRDRYHNDLNAVER YDPATNSWAYVAPLKREVIHAGATLEGKMYITCGRKGRIT
6703	45	1244	GVGPRAAAMPLELELCPGRWVGQHPCFITAEIGQNHQGDLDVA KRMIRMAKECGADCAKPKSELEFKFNKALERPPTSXHSWGT YGEHKRHLEFSDQYRELQRYAEVGIFFTASGMDMAVEFLHE LNVFFFKVGSQDITNFPYLEKTA/IRGWHSVLRDVCGVQLNDE TSSWDVLGRVTSKXKVLMLVLDYSGRPMVISSGMQSMQMTMK VYQIVKPLNPNFCPLQCTSAIPLQPEDVNLRVISEYQKLPFDIP IGYSGHETGIALSVAVALGAKVLERHITLDTKTKGSDHSASLE PGELABLVRSVRLVERALGSPTKQLLPCMACNEKLGKSVVAKV KIPEGTILTMDLTVKVGEPKGYPPEDIFNLVGGKVLVTVEEDD TIMEE
6704	82	1007	TMNTRNRVNSGLGASPASRPTRDPQDPSGRQGLSPVEDQREG LEAAPKGPSRESVVHAGQRTSAYTLIAPNINRRNBIQRIABQE LANLEKWKQNRAPVHLVPRRLGGSQSETEVRQKQQLQLMQSK YQKILKREESVRIKKBAEAELOKMKAIQREKSNKLEBKRLQ NLRREAFREHQYKTAFL/RQTEHRILARQKCLSKCLWPTILN MQQKLGQL\DSLKABENRKLQKMKDEQHQSLELELKRQQQEQE RAKIHQTEHRRVNNAFDLRLQKGSQPGGLEQSGGCWNNNSGNSW GI
6705	2	786	RLCRNSARVPCGWSASRSLGEGAGFIGPLRGPHPRAGGTGTSFT SYKRRKGIMSTIAAFYGGKSILITVATGFLGKELMEKLFRTSPD LKVIYILVRPKAGQTLQHRVFQILDSKLFKVIKLEVRPNVHEKIR AIYADLNQNDFAISKEDMQELLSCTNIIFHCAATVRFDLTHA VQLNVTATRQILLMASQMPKLEAFIHISTAYSNCNLKHIDEVITY PCPVEPKKILDSLEW\LDDALIDEITPKLIRDWPNITYTYTK
6706	130	531	FTHSSSSHSQEMLGKLNMLRNDGHFCDITIRVQDKIFRAHKVVL AACSDFFRTKLVGQAEDENKNVLDLHHVTVTGFIPLLEYATTAT LSINTENIIDLAAASYMQPFSVASTCSBFMKSSILWNTPNSPQ EK

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6707	2233	1343	YWSGIGYELQHFHWKPFHFEKKGPPSTCQRRLYESRSRWPCIS* GMVVVGWTA VNGSW*GGQLRCVCVCTSHSSDSTRSSQRASKCHS FFILSQ*KT*SSWENWVFAKYSRIYSYGHSCSKGRGD*DFK*NV SQAR*SRFCGLCNPCGHCGLDINLRGGSSPWTDKHSCVHNLLC NRRVFSLLCEGPGHCYQGA VCREACAAASPGLD SAAPHRLEH TD*LPK*GPGYIQHFHCDSNLCILYNISFNLFESYF*GVARYA C*RCHNYFEWLLYNHCGDILVACL*RRQL*SSQ
6708	115	1729	TVGSWSRSGRSPVGRQLLLTGRCAQAAGSPQGGMALQVELVPT GEIIRVVHPRPCKLALGSDGVRVTMESALTARDRVGVQDFVLL ENFTSEAFENLRRFRRENLIYTYIGPVLVSNPYRDIQIYSR QHMERYRGVSFYREPPHLLAVADTVYRALRTERRDQAVMISVES GAGKTDATKRLLQLYAETCPAPQGGAVRDRLLQSNPVLEAFGN AKTLRNDNSRFGKYMVQDFPGAPVCGHILSYLLEKSRVVHQ NHGERNFHIFYLLEGCEETLRRLGLERNPOSYLNLVKGQCAK VSSINDKSDWKVVRKALTVIDFTEDRVEDLLSIAASVLHLGNH FAANESNAQVTTENQLKYLTRLSSVEGSTLRALTRKTIARG RELLSPNLQAAVARDALAKAVYSRTFTLVGKINRSLASKDV ESPSNRSTTVLGLLDIYGFVFPQHSFEQFCINYNCKLQQLFI ELTLKSEQEEYAEGLIAWEPVQYFNKICDLVEEKFKGI\SI LDE\ELRPGC
6709	3	894	PPHHLFPSSGERGPFPLVSRRLGPGKMGKKGKKEKGRGAEK TAAKMEKKVSKRSRKEBEDLEALIAHPQTLDARTQTVELPCPP PSPRLNASLSVHPEKDELI LFGGEYFNGQRTFLYNELVYVNIK DTNTKVDIPSPPPRRCAHQAVVPPQGGGLVWVGGEFASPNGEQ FYHYKDLWVLHLATKTWEQVKSTGGPSGRSGHRMVAWKRQLILF GGPKESTRDYIYNDVYAFNLDFTWSKLSPSGTGPTPRSGCQ\ IPSLPRAASSVYGGYSKQVRKDVKGTRHSDMF
6710	158	980	RHRMTNVRVSSSGRAARKMLALMGPAFLAAIGYIDEGNFATN IQAGASEPGYQLLWVWVANLMAMLIQILSAKLGATGKNLAEQI RDHYPRPVVWFYVQABIIAMATDLAEFTGAAIGFKLILGVSL QGAVLTGIATPILMLQRRGQKPLEKVIGLLLFVAAAYIVELI FSQPNLAQLGKGMVIPS LPTSBAVFLAAGVL\GATIMPHVI/YI WHSSLTQHLLGGSRQRYSATKWDVAIAMTIAGFVNLAIMATAA SELNFYGHGTGA
6711	3	347	VTECKTMTCKMSQLERNI*TMINTLHHYSVKLGHPDITLHGEFK ELVRTDLHNILMKENKNDQAI*HIMEDLDINAHMQIIFKELIML MAMLTWSYHDNMHDADYOPGQOHRPG
6712	118	578	PHGQKRTYRYPQVRAFGQPPQAQALAMALCLKQVFAKDKTFRPKR FEPGTQRFELYKKAQASLKSGLDLRSVVRLEPPGENIDDWIAVHV VDFENRINLIYGTMAERCS*TSCEVMAGGPRYEYRWQDERQYRR PAKLSAPRYMALLMDWIESLI
6713	2485	3	QARGSDSEGEFETQAEDDARARKLGPRPLPTFPPTSECTSDVR PD TREMVRAQNKKKKSGGFSMGLSYPVFKGIMKKGYKVPETPI QRRTIPVILDGKDVVAMARTGSGKTACFLLEPMFERLKTHSAQTG ARALILSPTRELALQTLKPTKEKGKFTGLKTALILGGORMEDQF AALHENPDII LATPGRLVHVAVMSLQLQSVYVVPDEADRLPE MGFAQLQEI IARI.PGGHQTVLFSATLPKLLVEFARAGLTPEVL IRLDVDTKLNEQLKTSFFLVREDTKAAVLLHLLHNVRPQDQTV VFVATKHAEYLTELLTQRVSCAHISALDPTARKINLAKFTL GKCSTLIVTDLAARGLDIPILDNVINYSPPAKGKPLHRVGRVA RAGRSGTAYSLVAPDEIPYLLDLHLFLGRSLTLARPLKEPSGVA GVDGMLGRVPQSVDDEDSGLQSTLEASLELRGLARVADNAQQQ YVRSRPAPSPESI KRAKENDLVGLGLHPLFSSRFEEELQRLRL VDSIKNYRSRATIFEINASSRDLCSQVMRAKRQDKRAIARFQQ CQGRQEQEQEGPVGAPSRPALQKQPEKHEEEAGESEVDIFS EVVGRKRQSGPNRGAKRREARQRDQRPYIPYRPKDFDSERG

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			LSISGEGGAFEGQAAGAVLDLMGDEAQNLTGRQQLKWRKKRR FVGQSQGQEDKKKIKTESGRYISSYKRDLYQKNQKQKID+S*L GRRRGILTRRRPRTTEVGEARPLAQAGCIPGPAPRHPLQAESA LELKTKQILKORRAQAALSLQRWWPQAALCPQ
6714	169	1416	NNCQELLPPPPAPMAHIPSGGAPAGAAMPGPQYCVCKVELSVS GQNLDRDVTSKSDFFCVLFTENNGRWIEYDRTETAINNLNPAF SKKPVLDYHFBVQKLFALPDQDKSSMRIDEHDFLGQFSCSLG TIVSSKKITRPIILLNDKPAKGLITIAAQLSDNRVITLSLAG RRLDKDLFGKSDPFLEFYKPGDDGKMWLVHRTVIVKYTLDPVW KPFTVPLVSLCDGDMKPIQVMCYDYDNDGGHDFIGEFQTSVSQ MCEARSDVPLEFECINPKKQKQKKNYKNSGIIILRSCKINRDYS PLDYILGGCQLMFTVIGIDFTASNGNPLDPSSLHYINPMGTNEYL SAINAVGQYIIQDYSDKMFPAALGFGAQLPDPDWKVSHEPAINFNP TNPPCSGVDGIAQAYSACL
6715	32	493	GPAGAESGSLHCLPATVQALAGAAHSPHCCQPPRRGPLIGSGMP GKPKHLGVNPGRMVLAVSDGELSSTTGPGQGEGRGSSLSIHSI PSGPSPPFTBEQPVASWALSFERILLQDPIGLAYFTEFLKKEFS AENVTFWKACRRFQIIPASDT
6716	1	176	GAGGPAPRSFGSEEFRAALERDKMSARAAAAKSTAMEETAINEQ IFTVTLHRVSLCCSK
6717	115	896	LFAMSGFENLNTDFYQTSYSIDDSQSQSYDYGGSGGPYSKYAG YDISQOGRFVPPDMQOPQPYTGQIYQPTQAYTPASQPFYGNF FEDEPPLLEELGINFDHIWQKTLTVLHPLKVADGSIIMNETDLAC PMVFLAFGATLLLAGKIQFGYVYGISAIGCLGMFCLNLMMSMT GVSFGCVASVLGYCLLPMILLSSFAVIFSLQCMVGIILTAGIIG WCSFSAKIFISALAMBGQQLLVAYPCALLYGVFALISVF
6718	290	599	KQ3STVPGTILPSLKHNSGLCKFPETGGMITTFKEGLTFKDVA VIFTEELGLLDPVQRNLYQDVMLENFRNLLSVGHHPFKHDVFL LEKEKKLDIMKTATQ
6719	1	691	PTRPERQDREDGKCHMEMNPISGNLNCDFIAMSQCSSDHGCET DLDSDDDKIEKPNPFMKDSASQDNGLSRKISRKRVCSSDSDSL QVVKSSKARTGLLRITRRCAATAANKIKLMSDVEDVSLNVT RSKNGRKKPLHLACTTAKKILSDCEGSVHCEVPSEQYACEGKPP DPDESGSTKVLSQLNGSDSDMLNSEKHKRHTNIHKIDAPSK RKSSSVTSSG
6720	3	822	HEVAEEAGGTVPYQRGTMPGTKRFQHVITPEPGKWELTGYEAA VPITEKSNPLTQDLQKADAENIVRLGQCDAEIFQEEGQALSTY QRLYSESILITMVQVAGKVQEVLEKPDGGLVVLGGGTSGRMAP LMSVSFNQMLKGLQKPLYTYLIAGCDRSVVASREGTEDSALHG IRELKKVAAGKKRVIVIGISVGLSAPFVAGQMDCCMNNTAVFLP VLVGFNPVSMARHPFPFPRILRSITVFPPLRAPHYQITSLFSM SVVTLISE
6721	3	822	HEVAEEAGGTVPYQRGTMPGTKRFQHVITPEPGKWELTGYEAA VPITEKSNPLTQDLQKADAENIVRLGQCDAEIFQEEGQALSTY QRLYSESILITMVQVAGKVQEVLEKPDGGLVVLGGGTSGRMAP LMSVSFNQMLKGLQKPLYTYLIAGCDRSVVASREGTEDSALHG IRELKKVAAGKKRVIVIGISVGLSAPFVAGQMDCCMNNTAVFLP VLVGFNPVSMARHPFPFPRILRSITVFPPLRAPHYQITSLFSM SVVTLISE
6722	1	390	RSWSKRTWQALPMAVLFLLLFLCGTPQAADNMQAIYVALGEAVE LPCPSPSTLHGDEHLSWPCSPAAGSFTTLVAQVQVGRPADPGK PGRSRLRLGNYSWLLEGSKEEDAGRYWC AVLGOHHNYQNW
6723	173	659	VCQYCTARMADFGISAGQFVAVVWDKSSFVEALKGLVDKILQALT GNEGRVSVENIKQLLSAHKSSFDIILSGLVPCSTTLHSABYL AEIARIILPGGCLFLKEFVETAVDNNSKVTASKLCSALTLSGL

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6724	173	659	VEVKELQREPLTPKEVQSVREHLGHESDNL VCQYCTARMADFGISAGQFVAVVWDKSSPVEALKGLVDKLQALT GNEGRVSVENIKQLQSAHKESFPDIILSGLVPGSTTLHSABIL ARIARILRPGGCLFLKEPVETAVDNNSKVKTASKLCSALTLSGL VEVKELQREPLTPKEVQSVREHLGHESDNL
6725	356	722	RRRTPPVILATMDDDLMLALRLQEEWNLQEAERDHAQESLSLVD ASWELVDPTPDQLALFVQFNDOFPNGQLAEVVKSVRMTLCAG ICSYEKGKGCNCSIRLSPLLLKLRPKDLVEVFPV
6726	98	714	HLQKMERKINRREKEKEYEGKHNSLEDITDQKNCKSTLMTLNVG GYLIITQKQTLTKYPTDFLEGIVNGKILCPFDADGHYFIDRDGL LFRHVLNPLRNGELLPLPOPRENQLLAQEAFFQLRGLAEVKS RWEKEQLTPRETTFLITDNHDSQGLRIFCNAPDFISKIKSRI VLVSKSRDLGFPPEFSISSNIIQPKYFIK
6727	1	831	FRGMGDERPHYYGKHGTPQKYDPTFKGPIYNRGCTDIICCVLL LAIVGVAVGILAWTHGDPRKVIYPTDSRGEFCGQKGTKNENKP YLFYFNIVKCAPLVLEFQCPTPQICVEKCPDRYLYLNARSS RDFEYKQFCVPGFKNNKGVAEVLRDGDCPAVLIPSKPLARRCF PAIHAYKGLVMGNETTYEDCHGSRKNITDLVEGAKKANGVLEA RQLAMRIFBDYTVSWYWDIISLGIAMAMSLFIILLRFLAGIMG RGMIMGILVLGY
6728	486	935	FCSSWLRSIALSSLSWKMLVLVGLTGGTASGKSSVIQVFPQLGCA VIDVDVMARHVVPQGYPAHRRIVEVFGTEVLENGDINRKVLGD LIFNQPDRLQLNATTHPEIRKEMMKETFKYFLREPRTPSPRGK HVPALKRADSLMRDT
6729	259	1191	VGLTGAQSGRTASMGDRQRAVAGPALRRNLLGTVTTVGFLAQSV LAGVKKFDVPCGGDRDCSGGQCQCYPEKGGRCQPGVPGQYNGPP GLQGFPGLOGRKGDKGERGAPCVTGPKGDVGARGVSGPGADCI PGHPGQGGPRRPGYDGCNGTQGDSPGQPGSEGFPGPPGQPG PKGQKGEFYALPKEERDRYRGEPEGLVGFQGGPPGRPGHVGQM GPVGAPGRPGPPGPGKQCGNRGLGPGYGVKGEKGDVQPGPN GIPSDTLHPITAPTGVTTFHPDQYKGEKGSBGEPIRGISLKGEE GIM
6730	784	1015	NMVDYEVVLGLQRYASPEDIKKAYHKVALKWHPKNPNKEEAE RKFEVAEAYEVLSENDEKRDIDYKYGTBGLNEF
6731	1	446	GIRKRLHGAUVPRVEVGCPCWETRESEGVHLERPTSPLKNNDGBS LDIYAGLDSAVSDASKSCVPSRNCLDLYBEILTEGTAKETATY NDLQVEYKQCLQMKELMKFKBIQTQNFSLINENQSLKKNISA LIKARVEINRKDEEI
6732	102	1205	GRWQRRPPFPSPPLWCLQPGGSDPQQLTLRHCLSHSPQDTPW AQRQVCYTAATTOAAAPATRNCLPDHSGHRPTPPSRHRRHQEN LGSIKPSSRSTKATSTIMAGDGRRAVREGWGVYVTPRAPIRE GRRLAPQNGGSSDAPAYRTPPSRQGRREVRFSEDPPEVYGDPE PLVAKERSPVCKRTRLEPRSDSAKEBVRSEAYTLRSRQRQPR PQTEEMKTRRTTRLQQHSEQPPLQPSVMTRRGLRDSHSSRE DEASSQDLSQTSKKTIVRSIQEAPAVSEDLVIRLRPPPLYPR YBATSVOQKVNPFSEGETEDDDQSSHSSTTVTKARSRDSDESG DKTTRSSSQYIESFW
6733	613	1311	RSCRQVGMRSRNGGESASDGHISCPKPSIIGNAGEKSLSEDAK KKKSNRKEDDVMASTVKKRLKTSGECEKTKKSLSLSKEDLI QLLSIMEGLQAREDVHMLKTEKTKPEVLEAHVGSAPKVLRL VLHRDAILAQEKSIGEDVYEKPISELDRLEBKQKETYRRMLEQL LLAEKCHRRTVYELENEKHKHTDYMNKSDDFTNLLEQERERLKK LLBQEKAYQARKE
6734	189	551	SAAMFPVFSGCQELQEKNSLELVSPKRVAVHFTWBEWQDLOD AQRTLYRDVMLETYSSLSVSLCHCITKPEMIFKLEQGAEPWIVBE

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			TLNLRLSGGSKQVFSGICHRSVLVEQEVHLV
6735	280	558	KSRAGVTKMSNPFLLKQVFNKDTFRPKRKFEPGTQRPFLHKKA QASLNAGLDLRLAVQLPPGEDLDNDWVAVHVDFENRVNLIVGTI XDGCT
6736	195	808	MNYELNFKREMPNISKSLGLTNLNFLLKRLSSVLPLITDYVYFEN SSSNPYLIRRIEELNKTASGNVEAKVVCYRRRDISNTLIMLAD KHAKELBESSETTVRADLTDKQKHQLKHLRELFLSRQYESLPATH IRGKCSVALNBTESVLSYLDKEDTFYSLVYDPSLKTLLADKG ETRVGPRYQADIPFMLEGTFFCFVFAVL
6737	150	1209	PVIMPLHFSFGDIVRPSCCVSSSPKLRNNAHSRLSEYRPTDLS REDTGCNLQHSIRENIDDLNMEFNPSDHPRASTIFLSKSQTDV REKRKSLFINHHPPGQIARKYSSCSTIFLDDSTVSQPNLKYTIK CVALAIYYHIKNRDPDGRMLLDIFDENLHPLSKSEVPDYDKHN PEQKQIYRFVRTLESAAQLTAECAIVTLVYLERLLTYAIDICP ANWKRIVLGAILLASKVWDDQAVWNVYDQCILKDIITVDMNELE RQFLELLQFININVPSSVYAKYVFDLRLSARANNLSFPLEPLSRE RAHLEAISRLCEDKYKDLRRSARKRSASADNLTFRNSPAITS
6738	148	653	CACAEQPARAEVGAATAPVRWASGEMAPSGSLAVPLAVLVLLL WGAPWTHGRRSNVRVITDENWRRLLEGDWMIEFYAPWCPACQNL QPEWESFARWGEDLEVNIAKVDVTEQPGLSGRFYITALTPTIYHC KDGEFRRYQGPRTKDFINFISDKEWKSEIEPVSSWF
6739	3	631	SWPDMAREEVAKLEKHLMLLRQEVVKLQKLAETEKRCALLAAQ ANKESSSESFISRLLAIVADLYEQEQYSDLKIKVGDRIHSAHKF VLAARSDSWSLANLSSSTKELDLDANPEVMTMLRWIYTDELEF REDDVFLTELMKLANRFQLQLLRERCEKGVMSLVNVRNCIRPYQ TABELNASTLMNYCARIASHWVSEVEGVNKAL
6740	3	631	SWPDMAREEVAKLEKHLMLLRQEVVKLQKLAETEKRCALLAAQ ANKESSSESFISRLLAIVADLYEQEQYSDLKIKVGDRIHSAHKF VLAARSDSWSLANLSSSTKELDLDANPEVMTMLRWIYTDELEF REDDVFLTELMKLANRFQLQLLRERCEKGVMSLVNVRNCIRPYQ TABELNASTLMNYCARIASHWVSEVEGVNKAL
6741	141	960	PLTLFPSSRARAGHTMNTSPGTVGSDPVLATAGYDHTVRFWQA HSGICTRTVQHQSQVNALEVTTPDRSMIAAAVQPVSLGYQHIRM YDLNSNNPNEIISYDGVNKNIASVGFHEDGRWMTTGGEDCTARI WDLRSRNLQCORIFQVNAPINCVCLHPNQAELIVGDQSGAIIHW DLKTDHNEQLIPEPEVSITSAHIDPDASYMAAVNSTLVPPFSCLL PLAIGILQEGEFESLARRGLLFLACQGCNCYVWNLTTGGIGDEVTO LIPKTKIP
6742	141	960	PLTLFPSSRARAGHTMNTSPGTVGSDPVLATAGYDHTVRFWQA HSGICTRTVQHQSQVNALEVTTPDRSMIAAAVQPVSLGYQHIRM YDLNSNNPNEIISYDGVNKNIASVGFHEDGRWMTTGGEDCTARI WDLRSRNLQCORIFQVNAPINCVCLHPNQAELIVGDQSGAIIHW DLKTDHNEQLIPEPEVSITSAHIDPDASYMAAVNSTLVPPFSCLL PLAIGILQEGEFESLARRGLLFLACQGCNCYVWNLTTGGIGDEVTO LIPKTKIP
6743	1	412	MHSTQDKSLHLEGDPNPSAAPTSTCAPRKMFKRISISKQLASVK ALRKCSDLKAIATTALIFRNSSDSGKLEKAIADKDLTQFRN FAGQETKPKYREILSELDEHTENKLDFFEDFMILLISITVMSDL LQNIIR
6744	95	1343	RTPARNRCAGCEVLSRFSSPNKASSFALQSAGGGLPAVRALRRD RQKVSTVGYGMDVEVDQDHEARKELPDSFDTTGTGSLGQBELT DLCHMLSLEEVAPVLQOTLLQDNLLGRVHFDQFKEALILILSRT LSNEEHFPQEPDCSLEAQPKYVRGGKRYGRSLPBFQESVEBFPPE VTVIRPLDEARPSHIPAGDCSEHWKTQORSEYEAEAGQLRFWNP DDLNASQSGSSPPQDWIEBKLEVCEDLGITRDGHLNRKCLKVSI

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			CEQYGLQNV D G E M L E E V F H N L D P D G T M S V E D F F Y G L F K N G K S L T P S A S T P Y R Q L K R H L S M Q S F D E S G R R I T T S S A M T S T I G F R V F S C L D D G M G H A S V E R I L D T W Q E G I E N S Q R I L K A L D P G L D G N I N L T E L T L A L E N E L L V T K N S I H Q A C I
6745	1	588	T F R D Q G N A Q R R R W L L G C A S W E S W E A A I A A G P G L P S S T A R Q Q N N P A A G T E C F A A V W A R G T A M G S V L S T D S G K S A P A S A T A R A L E R R R D P E L P V T S F D C A V C L E V L H Q P V R T R C G H V F C R S C I A T S L K N N K W T C P Y C R A Y L P S E G V P A T D V A K R M K S E Y K N C A E C O T L V C L S E M R A H I R T C Q K Y I D K Y G F L Q E L E E T A
6746	110	492	G A T G A M A K S A P A R H R R K R R S T P L T S S T L P S Q A T E K S S Y P Q T T E I S L W T V V A A I Q A V E K K M E S Q A A R L Q S L E G R T G T A E K K L A D C E K M A V E F G N Q L E G K W A V L G T L L Q E Y G L L Q R R L E N V E N L L R N R N
6747	247	484	R A V T F K D V A V V F T E E L G L L D L A Q R K L Y R D V M L E N F R N L L S V G H Q P F H R D T F H F L R E E K F W M M D I A T O R E G N S V Y A G V C
6748	201	665	M T T F K E A V T F K D V A V V F T E E L G L L D P A Q R K L Y R D V M L E N F R N L L S V G N Q P F H Q D T F H L G K E K P W K M K T S Q R E G N S G G K I Q I E M E T V P E A G P H E E W S C Q Q I W E Q I A S D L T R G O N S I R N S S Q F P K E G D V P C Q I E A R L S I S X V Q Q X P Y R C N E C K Q
6749	95	719	R R E V K G D G V C P R A R G S P Q S Q Q F P S C A G G E G L Q Q S G E A L D G A M S A G G P C P A A A G G G P G G A S C S V G A P G G V S M F R N L E V L E K E F D K A F V D V L L L G E I D P D O A D I T Y E G R Q K M T S L S S C F A Q L C H E A Q S V S Q I N H K L E A Q L V D L K S K L T E T Q A E K V V L E K E V H D Q L L Q L H S I Q L Q L H A K T G Q S A D S G T I K A K L S G P S V E E L E R E L K A N
6750	3	428	S C E S R R P G A K V W A S G A L E R D T T G L G S E Q F S G D V A Q S N R A T M G T T A P G P I H L L E L C D Q K L M E F L C N M D N K D L V W L E S I Q E E A E R M F T R E P S K E P R I M P K T P S Q K N R R K R R I S Y V Q D E N R D P I R R R L S R R K S R S S Q L S S R R
6751	152	1417	P T K A T E M A G A S V K V A V R V R P F N S R E M S R D S K C I I Q M S G S T T T I V N P K Q P K E T P K S F S F D Y S Y W S H T S P E D I N Y A S Q K Q V Y R D I G E E M L Q H A F E G Y N V C I F A Y G Q T C A G K S Y T M M C K Q E K D Q Q G I I P Q L C E D L F S R I N D T N D N M S Y S V E V S Y M E I Y C E R V R D L L N P K N K G N L R V R E H P L L G P V V E D L S K L A V T S Y N D I Q D L M D S G N K A R T V A A T N M N E T S S R S H A V F N I I P T Q K R H D A E T N I T T E K V S K I S L V D L A G S E R A D S T G A K G T R L K E Q A N I N K S L T L G R V I S A L A E M D S G P N K N K K K K T D F I P Y R D S V L T W L L R E N L G G N S R T A M V A A L S P A D I N Y D E T L S T L R Y A D R A K I R C N A V I N E D P N N K L I R E L K D E V T R L R D L L Y A Q G L G D I T O M T N A L V G M S P S S S L S A L S S R N V
6752	24	1834	R N C V P P L G C Y R S R V K F H S D I K M Q Y S H H C E H L L E R L N K Q R E A G F L C D C T I V I G E F Q F A H R N V L A S F S E Y F G A T Y R S T S E N N V F L D Q S Q V K A D G F Q K L L E P I Y T G T L N L D S W N V K E I H Q A A D Y L K V E E V V T K C K I R M E D P A F I A N P S S T E I S S I T G N I E L N Q Q T C L L T L R D Y N N R E K S E V S T D L I Q A N P K Q G A L A K S S Q T K K K K A F N S P K T G Q N K T V Q Y P S D I L E N A S V E L F L D A N K L P T P V V E Q V A Q I N D N S E L E T S V V E N T F P A Q D I V H T V T V K R K G K S Q P N C A L K E H S M S N I A S V K S P Y E A E N S G E L D Q R Y S K A K P M C N T C G K V F S E A S L R R H M R I H R G V K P Y V C H L C G K A P T Q C N Q L K T H V R T H T G E K P Y K C E L C D K G F A Q K C Q L V F H S R M H G E E K P Y K C D V C N L Q F A T S S N L K I H A R K H S G E K P Y V C D R C G Q R F A Q A S T L T Y H V R R H T G E K P Y V C D T C G K A F A V S S S L I T H S R K H T G E K P F I C E L C G N S Y T D I K N L K K H K T K V H S G A D K T L D S S A E D H T L S E Q D S I Q K S P L S E T M D V K P S D M T L P L A L P L G T E D H H M L L P V T D T Q S P T S D T L R S T V N G Y S E P Q L I F L Q Q L Y
6753	2	1305	V P S L P Y P P Q K V V A H T E F T T S S D S E T A N G I A K P D P V M P G G E E K A S P F G I K L R R T N Y S L R F N C D Q Q A B Q K K K R H S S T G D S A D A G P P A A G S A R G E K E M E G V A L K H G P S L P Q E R K Q A P S T R D S A E P S S R S V P V A H P G P P P A S S Q T P A P E H D K A A N K M P L A Q K P A L A P K P T S Q T P P A S

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			PLSKLSRPYLVELLSRRAGRPDPPEPSEPSKEDQESSDRRPPSPFP GPEERKQKRDDEERATERKFPASPPLPATQOEKPSQTPFAGRKE KPMLOSRHSLDGSKLTEKVETAQPLMTLALQKQKGFREQQATR EERKQARRAKQAEKLSKENVSVSQPGSSSVSRAGSLHKSTALP EKKRPETAVSRLEERREQLKANTLPTSVTVETISYSSPAAPLVKE VSKRFSSPDDAPVSSEPAWLALAKRKARMSDCPLIIR
6754	2	413	FVRRRRRLGGPEVNTMSSLHKSRIADFDVLKEPSTALEKRLR LSPSGIPCEGGLRCLCNKILLNVLPLERASWTSILAKQRELYAQ FLREMIQPGIAKANMGVSREDVTFEDHPLNPNPDSRWNTYFKD NEVLL
6755	298	1343	PGLQLQVALEADWFLDMPGRRGQPSRQQLSEALPSLQTLVGGG CGNGTGLRNRRGSAIGLPVPPITATITPGPVRRHCQIPDLPVGGS LLFRFLFFIYLLVALFIQYINIKYVWVYPYHNPASCTSLNFHL IDYHLAAPTIVMLARRLVWALISEATKAGAASMIHYMVLISARL VLLTLGCVLWCLVNLFRSHSVNLLEFLGYPFVYVPLCCFTHQ DSRAHLLLDYNYVVQHEAVEESASTVGGIAKSKDFSLLESL KBQFNATPIPTHSCPLSPDLIRNEVECLKADFNHRIKEVLFNS LFSAYYVAFPLCFVKVSGYITFCFLDLCVNYINWVFLV
6756	180	754	IERALGSLPLSIPVSWGSLRTLYKQQQLRPLKVLICQTRVQCHD LRSLQPPGLKQSPCLRVLGQGTGATTPGLRDLTCKELIILTE REAQKRKRKEKESGALTQGPLTFRDVAIEFSQEWKSLDPVO KALYWDVMLENYRNLFVFGKDNFALEVKICPRVFLYFLCCLSWR PPHYLTETEALLTHK
6757	2	459	NSRVEAPEAHSRESQGSAMRKHLSSWWNIATVCMLLFSHL SAVQ TRGIKRRIKWNRKALPSTAQITBAQVAENRPGAFIKQGRKLDID FGAEGNRYEANYWQFPDGIHYNGCSEANVTKEAFVTGCINATQ AANQGEFQKPDNKLHQQLW
6758	1	1008	ASGPRLPGRRRFRDAPWLPARLLRGVLAVVWSLSALPGPSFCRR RVPSLAQLGHSBAAPSPDDVRWSRVPDRCEERDRANPPPPPS LPPSFRRNMANNSPALTGNSQPOHAAAAAQQQQCGGGGATK PAVSGKQGNVLPLWNGEKTMLNEMILTNILSSPYFKVQLYELK TYHEVVDIEYFKVTHVEPWEKGRKTAGQTMCGGVRGVGTGGI VSTAFCLLYKLFILKLRKQVMGLITHTDSPYIRALGFMYIRYT QPPTDLWDWFESFLDDEEDLDVKAGGCVMTIGEMLSFLTKLE WFTLFPRI PVPVQKNIDQQIKTRPKI
6759	1	513	RKHNFHSLDGTSTRAFHPTGLPLSSPVPPQRTQSGCFDLSS LLHLKSFSSRSPRCLNIEDDPDIHEKPLSSSAPPITSLSLIG NFEESVLNRYRFDPLGIVDGPTAEVGASGAFCPHTLTLPVEVSFY SVSDDNAPSPYMGVITLES LGKRGYRVPPSGTIQVVCVL
6760	239	606	VLSKKKGLSABEKRTMMEIFSRTKDVVQLKDLEKIAPKEKGIT AMSVKRVLQSLVDDGMVDCERIGTSNYNWAFFPSKALHARKHLE VLESQLSBGSQKHA8LQKSIEKAKIGRCETEERT
6761	29	1733	ERTLRGLREVAAPS DVADAASRRGRCCCLHCTQTQVAQDCPS SSSSVQRCHEL8LQSLHMTSKKLVNSVAGCADDALAGLVACNP NLQLLQGHRAVALRSDLSLKGRVALLSGGSGHEPAHAGFIGKG MLTGVIAGAVFTSPA VGSILAAIRAVAGAGTVGTLIVKNYTG RLNFGLAREQARAEIPVEMVVI GDDSAFTVLKAGRRGLCGTV LIHKVAGALAEAGVGLLEEIAKQVNVVTKAMGT LGVSLSSCSVPG SKPTFELSADVELGLG IHGEAGVRRIKMATADEIVKMLDHT NTTNASHVPVQPGSSVMMVNNIGGLSFLGLIADATVRSLEG RGVKIARALVGTFM8SALEMPGISLTLVLVDEPLKLIADARTTA ANPNVAASITGRKRSRVAPAEQAPDSTAAGSASKRMALVL ERVCS TLIGLEPHLNALDRAAGDGDGCTTHSRAARA IQEWLKEG PPFASPAQLLSKLSVILLKMGSSGALYGLPLTAAAOPLKAKT SLPAWSAAMDAGLEAMQYKGAAPGDRMTLDSLNAAGQRL

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6762	3	613	ASTISWRLCVAGAEARRFPVAGERAGGGAMWFMILLSWLSLFI QVAFITLAVAAGLYLARLIBEYTVATSRIIKYMIWFSTAVLIG LYVFERFPTSMIGVGLFTNLVYFGLLQTFPPIMLTSPNFILSCG LVVVNHYLAFQFFAEYYPFSKVLAYFTFCLWIIDPAFPVLSA GENVLPSTMQPGDDVVSNYFTKGRGK
6763	2	760	SGPDFPGRFRGCCVRRFPAGAGMELGGHWMNSAPRLVSETAE RKQEQKTGTAEABADSGAVGARRFLCLYLGGFLDLPGVSMVVP LLSLHVKSIGASPTVAGIVGSSYGLQLQFSSSTLVGCNSDVGRR SLLACILLGALGYLLGAATNVFLFVLARVPAGIFKHTLSISR ALLSDVVPKERRPLVIGHENTASGVGFILGPVVGGYI:TELEDGF YLTAFICFLVFTILNAGLVNPFPRREAKPGSTE
6764	80	438	LKMDTMMLSVRNLFEQLVRRVEILSEGNEVQFIQLAKDFEDFR KRWQRTDHLGKYKDLLMKAETERALDVKLKHARNQVDVEIKR RQRAEADCEKLRQIQLEMLMCDTSGSIQ
6765	3	550	ARYSRVDHFCRRRCRAVARAPRFLQFPSPSRHFLAACVARWL RGSVLVSEALSGSAMGDIVTEVAVGVKRGSDLLSGSVLSSPNS NMSMVTANGNDSKKPKGDKMDGAPSRVLHRLKPGKVTETE VIALGLPFGKVTNITMLKGNQAFLELATERAAITNGNYYSAVT PHLRNO
6766	1	1287	EGSPKASLTWLPIGEMKLCHEVEVISRHLPALGIRNRGKGV RAVLSLCQQTSRSQPPVRAFLLISTLKDKRGTRYELRENIQFFT KFDVEGKATVRLKEPPVDICLSKANSSSLKGLSAMRLAHRGN VDPVSTLTPVKTSEFENFKTKMVITSKKDYPLSKNFPYSLEHL QTSYCGLVVRDMRLCLKSLRKLDSLHNHKKLPATIGDLIHL KLNLNDNHLRSFVALCHSTLQKSLWSLDLSKNKIKALPVQPCQ LQELKNLKLDDNELIQFPCKIGQLINLRFLSAARNKLPPLPSEF RNLSEYLDLFGNTFFQPKVLPVTKLQAPLTLESSEARTILHNR IPYGSHIIPPHLCQDLDTAKICVCGRFCLNSFIQGTITMNLHSV AHTVVLVDNLGGTEAPIISYFCSLGCYVNSSDI
6767	336	919	APMCLCSSLQFRYKKAFLRDRGLQIGYCSVDDDPKMHFLNV GRLQSDNEYKDFAKRSQFHSSTDQPGLLQAKRSQQLASDVHY RQPLPQPTCDPEQLGLRHAQZAHQLQSDVYKSDNLNLRGVGWT PPGSYKVMARRAAKLANARGLGQLQGAIRGAEEAGDHQSGEV NPDATRIHVKKKALL
6768	2	363	PGSTISCYLLSEGBLPLCMQVACGEBKRAPMTMTLRARFKKTE LRLSPDGLSGCPPCGPCPIPKPAARORRQSDWGSDBRLLQAV ENNDAPRVAALIAKGLVPTKLDPEGKSAPHL
6769	284	396	MSTPDFSTAENNQELANEVSCIKAMITLMLQAMGQAD
6770	1	397	QRNYQVWSSTMAKLDHYKDEVVKKLMTFRNYNSVMQVPRVEK ITLNMGVGEALADKKLLDNAADLAAISGQKPLITKARKSVAGF KIRQGYPIGCKVTLRGERMWEFFERLITIAVPRIRDPRGLSAKS
6771	3	378	APAGTLAMTGKSVKDVDRYQAVLANLLLEEDNKFCADQSKGPR WASWNIGVPICIRGAGIHRNLGVHSRVKSVNLDQWTQBIQCM QSMNGKANRLYEAYLPETFRFPIDPYLFWNSLEG
6772	1	1400	AAFLQGMVNGFINTVITSL\ERRYDLHSYQSGLSASSYDIAA CLCLTFVSYFGSG\HKPRWLWGR\VLMTGCSLVFALPHFTAG P**GWKLDQVRTCANPR\PVCAG\HTSGLSRYQLVFMGLQFL HGVGATPLYTLGVTYLDENVKSSCSPIYIAIFYTAAILGPAAGY LIGGALLNIYTEMGRTELTETESPLWGANWVGLGSGAAAFET AVPIILGYPRQLPGSQRYAVMRAAEMHQLKDSRGEASNDPFGKT IRDLPLSINLLKNPTFILLCLAGATEATLITGMSFSPKFLS QFSLSASEAATLFGYLVVPAGGGGTFLGGFFVNKLRLRGSVVIK FCLFCTVVSLLGILVPSLHCPSPVMAGVTASYGCSLLPEGHNL TAPCNAACSCQPBHYSVPCGSDGLMYFSLCHAGCPAATEINVDG QKVYRDCSCIPQNLSSGFGHATACRCTST

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6773	1	630	PWEAPKEHKYKAREHTVVLTVTGEPCHFPPQYHRQLYHKCTHKG RPGPQWCATTPNFDDQDRWGYCLEPKVKVDHCSKHSPCQKGGT CVNMPSGPHCLCPQHLTGNHCQKEKCEPQLLRFFHKNEIWTYRT EQAAVARCQCKGPDHACQRLASQACRTNPLHGGRCLEVEGHRL CHCPVGYTGPFCDVGE*GSGASRRPAPRWDGLAR
6774	146	389	LTSLSDQYFLFFILSS/WVPTFLSMDVDGRVLIKADSFSKI ISS GLRIGLITGPKLIETVILHIVQSTLHPSTPNQMLISQ
6775	104	614	TCPQLRVLTARGGRRAPSPQLWTLVLALTEKKRSHRIIRMNS GRPTEMENLPALYTIQGEVAMVTDYGAFIKIPGCRKQGLVHRT HMSSCRVDKPSRIVDVGDVWVVLIGREMENDRIKVSLSMKVVN QGTGKDLDPNNV\SLSKKRGCGDPSRITLGRSPLRLS
6776	3	1108	HEHHERHEGALSQDALLRISIPLDSNMRPEKCRFVHPQWQLIH LNGTFPNTSDADMEPCVDGWVYDRISFSSSTIVTEWDLVCDSSQL TSVAKFVFMAGMMVGGILGGHLSDRFGRFVLRWCYLQVAIVGT CAALAPTFLIYCSLRFLSGIAAMSLITNTIMLIAEWATHRFQAM GITLGMCPSGIAFMTLAGLAFAIRDWHLQLVSVVPYFVIFLTS SWLLESARWLIYNKPEGLKELRKAHRSGMKNARDTLTLEIL KSTMKELEAAQKKKPLGERLHMPNICKRISLPPFTKPFANFMA YFGLNLHG/LKHLGNVFLQLTLPQAV/TPPGQLVLHLGHNGSG RVSSRGVNCLEGLFVLQVM
6777	779	63	CFPHGPAWRDCEVRATFAKKQGGSGIISCIASFPAQPLYACGSY GRSLGLYAWDDGSPALLGGHQGGITHLCPHPCGNRFFSGARKD AELLCLNDLRQSGYPLWLSLGEVTTNQRIFYFDLPTGQFLVSGST SGAVSVMDTDGPGNDGKEPEVLSFLPQKQDCTNGVSLHPSLPLIG HCLPVSVCPFLSPTESSGRRRGAGPSLGSPPRRHVHLECRLLQWNC GGGARLQHP**SPRARKGR
6778	311	805	IQSITDESRSIRRKNPANTRLRLNVP\BETAGDSE/ERSPEER VQADPRIRASAPKPTSSPPFKGRSPEGEGET\DPBKVHFHPCP KDKSVAKN\KGP\SPVSSGIGKDFFSMKPEWENLQSNVRRMH T\AVRLNEVIVKSRDAKLVLLNMPGPPRRNGDENY
6779	2	535	RALRRQPRLLAANGIEPESMAISEPIKGRKPCVNKEBALKKP MAKCAWKGPPEPQDARAEAESPGGASESDQDGGHESPPKKKAV AWVSAPNPAPMRKKKVSLSLGPVSVYLVDSDEGRKKPVMPKKGPG SRREASDQKAPRGQPAEATASTSRGPKAKPGSPRRATNESRK V
6780	3	403	HEVNDNKPEININLMSPGKEEISYIFEGDPIDTFVALVRVQDKO SGLNGEIVCKLHGHEHFKLQKTYENNYLILTATLDREKREYS LTVIAEDRGTPSLSTVKHFTVQINDINNPFPQRSRYEPVISE K
6781	1	1269	APTRPVFFTLQDLSSSKEPSNSLNLPHSNELCSSLVHPELSEVS SNVAPSIPPVMSRPVSSSSISTPLPPNQITVFTSNPITTSANT SAALPHTLQALMSTVVTMPNAGSKVMVSEGGQSAQSNARQFI TPVFINSSSIQVMKGSQPSITAPAPLTINSGLMPPSVAVVGPL HIPQNIKFSAPVPPNALSSSPAPNIQTRPLVLSSRATPVQLP SPPTCTSPVVPVHPVQVVKELNPDEASQVNTSADQNTLPSQ STIMVSPLLTNSPGSSGNRRSPVSSSKGKGVKIGQILLTKAC KKVTGSLKGEQYAGDGETEGQLDTTAPGLMGTQLSTELDS KTFTPPAPTLLKMTSSVPGGTASAGPSLPGGALPTSVRSIVTT LVPELISAVPTTKSNHGGIASBSLAC
6782	3	1327	RKFTVIRIPAKFGKCLHEDFQSPFPLPAEKPIGNTFTSVSGKLS NVERTRNLESNHPGQTGGFVZVPPRLPPRPVNGKTIPTQPPPTK VPPERPPPKLSATRRSNKKLPNRRSSSDMLQKKQSNLATGLS KAKSQVFNQDFVLPPRPKPGHPLYSKYMLSVPHGIANEDIVSQ NPGELSCKRGDVLVMLKQTENNYLECQKGEDTGRVHLSQMLIT PLDEHLRSRENFSPPKAPSHAQKPVDSGAPHAVVLHDFPAEQV

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			DDINLTSGEIVYLLEKIDTDWYRGNCNRIQIGIFPANYVKVIIDI PEGGNGKRECVSSHCVKGSRCVARPEYIGEOKDELSPSEGEIII LKEYVNEEWARGEVGRGTGIFPLNFVEPVEDYPTSGANVLSTKV PLKTKKEDSGSNSQVNSLPAEWCEALHSFTARTSDDLSEFKRGDR I
6783	3	1750	SYHHHHAQQAASPNLTASQKTVTTTSMITTKTLPLVLKAATA TMPASVVGQRPTIAMVTAINSQAVLSTVDONTFVNLQTSSEKVT GPGAEAVQIVAKNTVILQVQATPPQPIKVPQFIPPPRLTPRPNF LPQVRPKPVAQNNIPIAPAPPPMLAAPQLIQRPVMLTKFTPTTL PTSQNSIHPVRVVGQTATIAKTFPMAQLTSIVIATPGTRLAGP QTVQLSKPSLEKQTVKSHTEDEKQTESRTITPPAAPKPKREEN PQKLAFMVSGLVTHDLEEIQSKRQERKRRTTANPVYSGAVFE PERKKS AVTYLNTMHPGTRKGRPPKYNALVGFALTPPTSQS SHPDSPENKETTFTTFFPAPVQVSLPSTSDGDIHEDFCSVC RKSGQLIMCDTCSRHYHLDCLDPPLKTI PKGMNLCPRCQDQMLK KEBAIPWPGTLAIVHSYIAYKAAKEBEKQKLLKWSSDLKQREEQ LEQKVKQLSNSISKMEMKNTILARQKEMHSSLEKVKQLIRLIIH GIDLSKPVDSBATVGAISNGPDCTPPANAATSTPAPSPSSQSCT ANCNQGBETK
6784	3	1750	SYHHHHAQQAASPNLTASQKTVTTTSMITTKTLPLVLKAATA TMPASVVGQRPTIAMVTAINSQAVLSTVDONTFVNLQTSSEKVT GPGAEAVQIVAKNTVILQVQATPPQPIKVPQFIPPPRLTPRPNF LPQVRPKPVAQNNIPIAPAPPPMLAAPQLIQRPVMLTKFTPTTL PTSQNSIHPVRVVGQTATIAKTFPMAQLTSIVIATPGTRLAGP QTVQLSKPSLEKQTVKSHTEDEKQTESRTITPPAAPKPKREEN PQKLAFMVSGLVTHDLEEIQSKRQERKRRTTANPVYSGAVFE PERKKS AVTYLNTMHPGTRKGRPPKYNALVGFALTPPTSQS SHPDSPENKETTFTTFFPAPVQVSLPSTSDGDIHEDFCSVC RKSGQLIMCDTCSRHYHLDCLDPPLKTI PKGMNLCPRCQDQMLK KEBAIPWPGTLAIVHSYIAYKAAKEBEKQKLLKWSSDLKQREEQ LEQKVKQLSNSISKMEMKNTILARQKEMHSSLEKVKQLIRLIIH GIDLSKPVDSBATVGAISNGPDCTPPANAATSTPAPSPSSQSCT ANCNQGBETK
6785	1	528	LGNTVLHYCSMYSKPECLKLLR8KPTVDIVNQAETALDIARR LKATQCEDLLSQAKSGKFNPHVHVEYNLRQREIDRSDDDDLD KPSFVKKERSPRPQSFCHSSSISPQDKLALPGFSTPRDKQLSY GAFTNQIFVSTSDSPTSPTTEAPPLPPRNAGKPTGPPITPHR
6786	1820	1397	RSPKVLVLAPTRBLANHVSRDFKDI\TRKLTVARFYGCTSYQSQ INHIRENGIDILVGTGRIKDHLSGRRLDLSKLHVVLDEVDQML DLGFAEQVEDI IHESYKTDSEDNPTILFSAATCPQWVYTVA\RK YMKSRYEQVDLDGKMTQKAATTVEHLAIQCHWSQRPAVIGDVLQ VYSGSRGRAIIFCETKKNVTEMAMNPHIKONAQCLHGDIAQSQR EITLKGFPREGSPKVLVATNVAARGLDIPEVDLVIQSSPPQDVES YIHRSGRTGRAGRTGICICFYQPRERGQLRYVEQKAGITFKRVG VPSTMDLVKSKSMDAIRSLASVSAAVDFFRPSAORLIEEKGA DALAAALAHISGASSPEPRSLITSDKGFVTMTLESLEEIQDVSC ANKELNRKLSNAVSQITRMCLLKGNMGVCFDVPPTRESERLOAE WHDSDWILSVPAKLPEIEEYDENTSSNSRQRSGWSSGRSGRSG RSGGRSGRSGRSGRSGRSGRSGRSGRSGRSGRSGRSGRSGRSG FD*VFYHLVDFLSDPLVDSVYITGRQIDHLTGLTGLIDHLTSHS SVWN
6787	2646	2270	PSSFPPKNVPLEELEPPK*KRSGLSLTPKSIQNGP*PQTFPP FELGSPSGVISAHCNRLRLGSSDSPAPASRVAGIIGTCHHAWLI LVFLVBMGFHHVGAGLKLTL\VIHPFPKVLGLQT
6788	16	936	GGTVDLR\DLAVSVLAAVRGOR/ATVRRVRESNVLHEKSKGKT REGARDKMTSGDVLNRRKMFYLLKTAFFSVQINTEEHVD\ELDQ

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			EVILWGS*DS*GYPKCK*LLPKVPSR/RVLLSGLTPLDATQE\FTEEDLSK\YVTTMVCVAVNGKPMGLVIHKPFSEYTANAMVDGGS NVKARSSYNEKTPRIVVSRSHSCMVQVALQTFGNQTTIIPAGG AGYKVLALLDVDPKSKQKADLYIHVTYIKKWDICAGNAILKALG GHMTTISGEEISYTCSDGIEGGLLASIRNMHQALVRKLPDLEKT GHK
6789	2	678	GNGINVLTAPESAIKFMAYEQIKRLVW**PGDS*GF/YERLVA GSLAGATAQSSIIYPMVLRKTRMALRKTGQYSGMLDCARRILARE GVAIFYKGYVFNMLGIIPIYAGIDLAVYETLKNALQHYAVNSAD PCGVFLLACGTMSSTCCQLASYPLALVRTRMQAASIEGAPEVT MSSLPKHILRTGAGFLYRGLAPNFMKVI PAVSISYVVYENLKI TLGVQSR
6790	2	4068	APPAGRRRRMQAAPRAGCGAALLLWIVSSCLCRAWTAPSTSQKCD EPLVSGLPVAFSSSSSISSSYSPGYAKINKRGAGGWSFSDSD HYQWLQVDFGNRKQISAJATQGRYSSDWVTQYRMLYSITGRNW KPYHQDGNIAWAPFNGINSQGVVRHELQHPILARYVRIVPLDWNQ EGRIGLRIEYVGCYWADVINFDPCHVVL PYRFRNKKMKTLKDOI ALNPKTSESEGVILHCEGQQGDYITLBLEKKAKLVLSLNLSNQL GPIYGHTSVMTGSLDDHWHWSVVERQGRSINLTDRSMQHFR TNGEPDYLDLDYEITFGGIPFSGKPSSSSRKNFKGCMESINYNG VNITDLARRKKLEPSNVGNLSFSCVEPYTVPVFFNATSYLEVPG RLNQDLFSVSFQFRTWNPNGLLVFSHFADNLGNVEIDLTSKVG VHINITQTKMSQIDISSGSLNDGQWHEVRFLAKENFALITIDG DEASAVRTNSPLQVKTEGKYFFGGFLNQMNSSSHSVLQPSFQGC MQLIQVDDQLVNLVEVAQRKPGSFANVSIDMCAIIDRCVPHCE HGGKCSQTWDSFKCTCDEGTGSGATCHNSIYEPSCEAYKHLGQT SNYYWIDPDGSGPLGLKVKYCNMTEDKVTIVSHDLQMOTPVVG YNPEKYSVTQLVYSASMDQISAITDSAEYCEQYVSYPCKMSRLI NTPDGSPTTWVGKANEKHYWGGSGFGIQKACGIERNCTDPK YYCNCADADYKQWRKDAFLSYKDLHPVSQVVGDTDRQGSRAKL SVGPLRCQGDNRNYNAASFNPSSYLHFTFQGETSADISFYFK TLPWGVFLENMGKEDFIKLEKSAEVSFSFDVGNPVEIVVR SPTPLNDQWHRVTAERNVKQASLQVDRLPQQIRKAPTEGHTRL ELYSQLFVGGAGGQCGFLGCIRSLRMNGVTLDLERAKVTSGFI SGCSGCHCTSYGTNCRNGGKCLERYHGYSCDCSNTAYDGTFCNKD VGAFPEEGMWLRYNFQAPATNARDSSSRVDNAPDQONSHEDLAQ BEIRFSFSTTKAPCILLIYSSFTTDFLAVLVKPTGSLQIRYNLG GTREPYNIDVDHRNMANGQPHSVNITRHEKTIPLKLDHYPSVSY HLPSSSDTLFNSPKSLFLGKVIETGKIDQEIHKYNTPGFTGCLS RVQFNQIAPLKAALRQTNASAHVHIQGEIVESNCGASPLTLSPM SSATDPWHLDHLSASADFPYNPGQGAIRNGVNRNSAIGGVI A\VVIFTPSLCTP\VL*SR*HVSPhKGTLPINPAKAGASRQK KPGRRPSMNDPPTSQRPIDESKKEWPHLRGGYLA MG
6791	1801	1193	TGHEGAKGKGDGDLGPRGERGQHGPKEGKYPGIPPEL/PGW SAVV*SWLTAASKVQAILLPQPLE*LGQIAFMASLATHFSNQ NSGIISSSVETNIGNFFDVMTRFGAPVSGVYFFTFMMKHEDV EBVVVYLMHNGNTVFSMYSYEMKGS DTSNHA VLVKLAKGDEVW LRMNGALHGDHQRFSFTFAGPLLFRTK
6792	33	1073	VRHTNWGVDMYLFSLGSESPKGAIGHIVSTEKTI LAVERNKVL PPLWNRTFSWGFDDFSCCLSGSYGSDKVLMTFENLAHWGRCLCAV CPSPTTIVTSGTSTVVCWELSMTEGRPRGLRLRQALYGHTOAV TCLAASVTFSLLVSGSQDCTCILWDLHLTHVTRLPAHREGISA ITISDVSGTIVSCAGHLSLWNVNGQPLASITTAWGPEGAITCC CLMEGPAWDTSQIITIGSQDGMVRVWKT/VGCEVCSWTASRRG APGSASKPKRPQVGEEPGLESRAGR*HCFDREAQQNQPVPTAL AVSRNHTKLLVGDERGRIFCWSADG*BERGSRSGTTPVG

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6793	2340	805	GRKEANY\YGSLLTQAGTVSLGLDABGQEVFVFPFSAVLPMVAPND LVPDGDWISSLNLAEMRRKAVLDWGLQEQWPHMEALRPRPSV YIPEFTIANQ SARADNLIPGSR AQLEQ IRRDIRDFRSSAGLDK VIVLWTANTERFCBVI PGLNDAENLLRTIBLGLEVS PSTLFAV ASILEGCAFLNGSPQNTLVPGALELAWQHRV FVGDDFKSGQTK VKSVLVDFLIGSGLKTSIVSYNHLGNNDGENLSAPLQFRSKEV SKSNVVDMDVQSNFVLYTPGEBDECVVIKYVYVYVGD SKRALDE YTSBLMLGGTNTLVLHNTCEDSLAAPIMLDLALLTELQCRVSF CTDMDPEPQTPHVL SLLSFLKAPLVPPGSPVVNALFRQSCI ENILRACVGLPPQNHMLLEHKMERPGPSLKRVGVPVAATYPM LNK KGPVPAATNGCTGDANGHLQEBPMPPTT*GPGHTVSRLLFPAAP HDPTLKAPTNGKRCFSPSTWGSNGL
6794	169	1349	DDVKKRKPASAH*EKPGPPSRPGVRGRERAGRGSGHARS CR\ EPAPPAPAPPEDHPDEEMGFTTIDIKSFLKPGKTYTQRCRLFVG NLPTDITBEDPKRLPERYGEPSEVF INRDROFGFIRLESRTLAE IAKAELDGTILKSRPLRIRFATHGAALT VKNLSPVVSNELLEQA FSQFGPVRKAVVVVDDRGRATGKGFVEFAAKPPARKALERCDCG AFLLTITTPRPVIVSEPMQFDDDEGLPEKLMQKTQQYHKEREQPP RFAQPGTPEFYASRNKALDEMRKQORRBQVDRNIREAKEKLEAE MEAARHEHQLMLMRQDLMRQEKRLRLBELRNOELQKRKQIQLR HEREHRRREEMIRHREQEELRRQEGFPKTYNMYENVYCHFLR
6795	1740	1010	GPRRQTOVRDHELDSE*DWAAQBTDCAQNSGERL*KG V/LENFS TMSKSAVKISLDLLSNPLCEQDQDLNMTALDTAMKRMDFNQ EKVNQIQKTVIEPLKKFGSVFPSLNMVKKRREQALQDYRLQAK VEKYEEKEKTGPVLAHLQAREELRPVREDFAKNRQLLEEMPR FYGSRLDYFQPSFESLIRAQVVYSEMHKIFGDLSHQLDQPGHS DEQREERNEAKLSELRLSTVADD
6796	48	683	GKEIQIPTIKLANLLFGL*PVGALGKGVVSP**SHVALGQLGW LTRAVRSSWRWELCVSAQEVVSQRS*SSPSFVGACPSLNPPET SVQEGORDCQOR*LPRLFSAVGPQPCWPGQAPPERCV*PGRCKW HLQSQVLR*ERRRCCRCLEPFA*GWRRRHQRGLGIGHAPLPGST SPPHPEGNSQOCRR*GWAAELRLPSSVVL*GKLG C*
6797	1620	211	TERMTPSQPTRGSSCTRPSSMLWTSTWRCLTCHWCMRMSVVG V TIGPMAQGLLSASGTTTEATWTRPTHTLIRWLLTASRVDPF ERPPPPPSDDLTLLSSSSSYKNL/DAQIPQ/DWSMSPSTSG*RP LTSRASSIMRSRTAIPAS*SRLLTKHTVGGSPSAWRPPTSR S VSTPVSSSTETTASGSLTWSSSPAPCPSSSAPAHSEASCK TSLWGS CGSGDGSACSGWNLSMAGTSCSSPAMCSPSRAPS* RSASRPRTWRATTSAASSWAPRRNCWNA*SAT*PSSTTTISS PHCGWPCPASCASAAWLSSTWATASVAGSCWGPIM*SSAHS PW CLSACSRSSMGTCL*RSFP\SGASRAAAWCGSSPSSTFTPS ASSSTWCSASSRSSPAPTTPSSIPAAQARRASCRIPTSHSART APPPASSAAGAARPAAFSAAEGETPRRSIRCW
6798	3894	1696	STISWESLESWLNKATNPSNRQEDWEYIIGFCIQINKELEG*VS ALWGQLRGSGLGRGTTMAKEGQPGSPRLSALECVLLVPQ\ PQIA VRLLAHKIQSPQEWALQALTYLGDVSEKVKTKVIELLYSWTM ALPEAKIKDAYHMLKRQGIQSDPPIPVDRTLIPSPPRPKNP VFDDEEKSLLAKLLKSKNPDDLQKANKLIKSMVREDEARIQKV TKRLHLEEVNNVRLLEMLLHYSQEDSSDGDRELMKELFDQC ENKRRTLFKLASETDNDNSLODILQASDNL SRVINSYKTIIEG QVINGEVATLTPDSEGSQCSNQGTLLDLAELDTTNSLSSVLA PAPTTPSSGIPILPPPQASGPPSRSSSSQAEATLGPSSTSNAL SNLDEELLCLGLADPAPNVPPKESAGNSQWHLLQREQSDLDFS PRPGTAACGASDAPLLQPSAPSSSSQAPLPPFPAPVVPASVP APSAGSSLFSTGVAPALAPKVEPAVPGHHGLALGNSALHHLDAL DQLEEAQVTSGLVKPTTSPILFTTTPARPLLPFTGPGSPLEQ

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			PLSFQSGSPPKGPELSLASIHVPLESIKPSALPVTAYDKNGF RILFHFAKECPGPRDVLVVVSMNLNAPLPVKSIVLQAAVFKS MKVKLQPPSGTELSPPSPIQPPAAITQVMLLANPLKREKVLRYK LTFALGEQLSTEVGEVDQFPFVEQWGNL
6799	3894	1696	STISWESLESWLNKATNPSNRQEDWEYIIGFCDQINKLEBG*VS ALWQQLRSGSLGRGTTMAKEGQPGSPRLSALCEVLVVPQ\POIA VRLLAHKIQSPQEWALQALTYLGDVSEKVKTKVIELLYSWTM ALPBRAKIKDAYHMLKRGQIVQSDPPIPVDRTLIPSPPPRPKNP VFDDEKSKLLAKLLKSKNPDDLQEAANKLIKSMVREDEARIQKV TKRLHTLEBVNNVRLLEMLLHYSQEDSSDGDRELKELFDQC ENKRRTLFKLASETEDNDNSLGDILQASDMLSRVINSYKTIIEG QVINGEVATLTPDSEGSQCSNQGTLDLAELODTNLSLVLA PAPTPPSSGIPILPPPPQASGPPSRSSSQAEATLGPSSSTSNAL SWLDEELLCLGLADPAPNVPPKESAGNSQWHLQREQSDLDFFS PRPGTAACGASDAPLLQPSAPSSSSSQAPLPPFPFAPVVPASVP APSAGSSLSFGVAPALAPKVEPAVPGHGLALGNSALHHLDAL DQLLEAKVTSGLVKPTTSPILPTTTPARPLLPSTGPGSPLFQ PLSFQSGSPPKGPELSLASIHVPLESIKPSALPVTAYDKNGF RILFHFAKECPGPRDVLVVVSMNLNAPLPVKSIVLQAAVFKS MKVKLQPPSGTELSPPSPIQPPAAITQVMLLANPLKREKVLRYK LTFALGEQLSTEVGEVDQFPFVEQWGNL
6800	404	1646	RRSPSTGLSFVPQPSPPSLSDYSIPWSLLSGTIAMATPGK*AG *POAN*IGLAPAIIFI/GLTRGRKQNKBMAGGSGDVEDDAGDC SGARYNDWSDDDDDSNESKSIWYPPWARIQTEAGTRARARARA RATRARRAVQKRASPNDDTVLSQSLQKVLCLVEMSEKPYILE AALIALGNNAAYAFNRDIIRDGLGLPIVAKILNTRDPIVKEKAL IVLNNLSVNAENQRRLKVMNQVCDTITSRNLSVQLAGLRLL TNMTVTNEYQHMLANSISDFRFLSAGNEETKLQVLKLLNLAE NPAMTRELRLAQVPSLGL\SLFNKKENKEVILKLLVIFENINDN FKNEENPTONQFEGGSLFFFLKEFQVCADKVLGIESHHDFLVK VKVGKFMALAEHMPKSKQ
6801	2	1755	SAEFESQASVTMHDVDAESFVVLVDVCTYGRVSLSEANVERL YASDMLQLEYVREACASFLARRDLTNCTAILKEFADAFGHRKL RSQAQSYIAQNFQQLSHMGSIREETLADTLAQLLAVLRDLSLD VESEQTVCIVAVQMLRAAPKRGPSAAEVFKCVRMHFTREDDQ YLEGLLTYPVKKYCLDVIBGALQMRYGDLKYSLVPPVPSNSS /R*QQQLSCICSRKSTPETGYVCQGDGDLWTPQRSLS\RYDPY SGDIYTPSPITSAHTKTVTSSAVCVSPDHDYLAAPRKDLW VYKPAQNSWQQLADRLLCREGMADVAYLNGYIYILGGRDPIYGVK LKEVBCYSVQRNQWALVAPVPHSFYSFELIVVQNYLYAVNSKRM LCYDPSHNMWLNCAKRSDFORACVFNDIYICIDIPVMKVYN PARGBWRIYNIPLDSETHNYQIVNHDQKLLITSTTPQWKKNR VTVEYDTRDQWNIIGTMLGLLQFDSGFICLCARVYPSCLBPG QSFITBEDDARSSESTEWDLGDFSELDSESGSSSFDDEVWQ VAPORNAQDQGGSL
6802	157	1341	ETFPFLFFLLSKTPGKTASMAHFVQGTSRMIAAESSTEHEKCAE PSTRKNLMNSLEQKIRCLEKQKELLEVNQQNDQQFRSMKELYE RKVAELKTKLDAERFLSTREKDPHQQRKDDRQREDDRQRLT RDRLQREKEKERLNEELHELKEENKLLKGKNTLANKEKEHYEC EIKRLNKALQDALNIKCSFSEDCLRKSRVEFCHEMRTEMEVLK QQVQIYEEDFKKERSDRERLNQEEELQQINETSQSQNLRLNSQ IKACOMEKEKLEKQLKQMYCPPCNCGLVFHLODPWVPTGPGAVQ KQREHPPDYQWYALDQLPPDVQHKAN/DWCLAPPPVCCQAG/PR TPGLK*SSCLWLEKCNFRFILSKESPSVEVHTNRERQATRER G
6803	1	2203	KLSGRPYRHMGLVGTSKLYDIRKTIIFTFTFQIDQQQFYALDN

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			<p>KMIVEMLRITDLSYLCSRWRMTGQPTITFPISHSMLEDEGTSLSNS SILAALRKMQDGYFGGARVQTGKLSRELTTSCTHLSFMDPGPE GKLYSEDDYDDNYDYLESGNWMNDYDSTSHARCDEAVARYLDHLL AHTAPHPKLAPTSQKGGDRFQAQVQTTCDLMSLVTKAKELHVQ NVHMYLPTKLPQASRPSFNLLDSPHPRQENQVPSVRVRIHLPD QSGEVDKALVLQKETSLSQEQADILYMLYTMKGPDWNTLEYLN ERSATVRELLTLEYGKVGELRHGGLIRYISGILRKKVEALDEAC TDLLSHQKHLTVGLPPEPREKTIISAPLPYEALTQLIDEASEGDM SISILTQELMVLAMYMRTQPGLEAFMRRLRIGLIQVMATELA HSLRCSAREATEGLMNLSPSAMKNLHHLISGKEFGVERK/SVR PTDSNVSPAISIHREIGAVGATKTERTGIMQLKSEIKQVEFRRLS ISAESQSPGTSMTSPSSGSPFSAVDQSSKDSRQGWQRRRRIDG ALNRVPVGFYQKVKVLQKCHGLSVBGFVLPSSSTIREMTPEIK FSVHVES/VLNVLLRPYRQLLVEAILVLTMLADIEIHSIGSII AVEKIVHIANDLFLOEQKTLGP/DDTMLAKDPASG/ICTLR/YD SAPSGRGTMTYLS\RAA\ATYVQREPL\HSICAMQ</p>
6804	1	951	<p>GSPGKKEKAKNKESLCMENSSSSSDEDEEETKAKMTPTKYN GLEEKRKSLRTGFPYSGFSEVAKRIKLLANSDERLQNSRAKDR KDVVSSIQGWPKKTLKELFSDSDTEAAASP PPHAPBEGVABES LQTVABEESCSFVLEKPPPVPVNDKPIEKTVEVNDKARFP SSGSNFSA*IPLPYLHLNRLHQSIL*QKGSRQSSVTVSEPLAPN QBEVRSIKSETDSTIEVDSVAGELQDLQSERE*LASRF*COCKL KQ**SARTTS*KSLYRSEKSEKSGRRKFIKKAEEKP*SNSGK QKKEGKRHK</p>
6805	1539	206	<p>RQPDLYPKSPDVSSESSSLLSNDLPKPADGIKARNRNNYL VPSPVLRIIDHTAFSTEKSADIVICDEECDSPEVNNQQTQEBSP IEVHTAEDVPIAVEVHAISEDYDIETENSSSESLQDQDEEPPA KLCKILDKSOALNVTAAQKNPLLRANSSGLYKCELFNSKYFS DLKQHMILKHKRTDSNVCVCKESFSTNMLLIHAKLHEEDPYI CKYCDYKTVIFENLSQHIALTHFSHDLYWCEQCDVQFSSSELY LHFQSHSCDEQYLCOFCEHETNDPEDLHSHVVNEHACKLIELSD KYNNGHEGQYSLSKITFDKCKNPFVQCVQCFRSRLHTNVNRHV ALEHTKIPPHVCDDCGKGFSSMLE\IAKHLSHLSSEGIYLCQYW BYSTGQIEDLKIHLDPKHSADLPKCSDCIMRFGNERELISHLP VHETT</p>
6806	272	3794	<p>VALCFPNSDPVMFMDAFYGCLLAELGPVPIEVPLTRKDAGSQV GFLGSCGVFLALTTDACQKGLPKAQTGEVAAFGWPPPLSNLVI DGKHLAKPKDWHPLAQDTGTGTAYIEYKTSKEGSTVGVTVSHA SLLAQCRALTQACGYSEARTLTNVLDPKRDAGLWHEGVLTSVMNR MHVSVVPYALMKANPLSWIQKVCYKARAALVKSRDMHWSLLAQ RGQRDVSLSSLRMLIVADGANPWSISSCDAFLNVFQSGRLRPEV ICPCASSPEALTVAIRPPDLGGPPPRKAVLSMNGLSYGVIRVD TEKLSVLTVQDVGQVMPGANVCVKLEGTPYLCKTDEVGEICV SSSATGTAYYGLLGITKNVFEAVPVTGGAPIFDRPFTRTGLLG FIGPDHLVPIVGKLDGLMVTGVRHNDVVATALAVEPMKFVY RGRIAVFSVTVLHDDRIVLVAEQRPDASEEDSFQWMSRVLQAITD SIHQGVVYCLALVPANTLPKAPLGGIHSITKQRFLEGTILHPCN VLMCPHTCVTNLPKPRQKQPEVGASMI VGNLVAGKRIAQASGR RLAHLSDSQARKFLFLADVLQWRAHTTPDHPFLFLLNAGTGT STATCVQLHKRAERVAALMEKGRLSVGDHVALVYPPGVDLIAA FYGCLYCGCVPTVRPPHQNLTTLPTVMIIVEVSKSACVLIT QAVTLLRSKEAAAADIRWPTILDITDDIPKKKIASVFRPPSP DVLAYLDFSVSTTGILAGVKMSHAATSALCRSILQCKLYPSRQ IAICLDPYCGIGFALWCLCSVYSGHQSVLPPLLESNVSLWLS AVSQYKARVTFCCYSVMEMCTKGLGAQTGVLRMKGVNLSVCRVC MVAEERP\RIALTQSFSLKFLDGLGLPARAVSTTFGCRVNAIC</p>

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			LQGTAGPDPTTVYVDMRALRHRVRLVRRGSPHSLPLMESKIL PGVKVILIAHTETKGLDGLHGLIWSVSPHNATGYTYVYGREAL HADHFSARLSFGDTQTIWARTGYLGLRRTTELTDASGGRHDALY VVGSIDETLELRGMRYHPIDITSVIRAHRSIACAVFTWTNLL VVVVELDGLQDQDALDLVALVTNVVLEBEYLVVGVVVIVDPGVIP INSRGEKQRMHLRDGLADQLDPIYVAYNM
6807	1444	606	VGHDTVHAMFTCFPKCLGFSPPVNVTVSPRSEESHTTTVSGGNG SVFOAGPQLQALANLEARRGSIGAALSSRDVSGLPVYAQSGEPR RLTOAQVAAPFGENALEHSSDQDTWDSLRSPGFCPLSSCGGAE SLPFGGPGHARAGHLGKVCDFHLNHQPPSPTSVLPTVAAPPLE KILSVDSVAVDCAYRTVPKPGQPCPHGSLTREGCLRLSGDIN RFPQGMVHSGQRELESVVAVGEAMA\LKFFPMGMSYCLDRSR FLFLPLMGLSCPLQVQ
6808	2063	737	GVGSGAASALARSRLASRLSSRRRTAPRSGAMQRLAMDRLML SRELSLYLEHQVVRVFFGSGVGLSLILGFSVAYAPYLLSSIAKK PQLVTGGESFSLQDHCPUVTETTYPTVWCWEGRGQTLLRPF\ ITS KPPVQYRNELIKTADGGQISLWFDNDNSTCYMDASTREPTI LLLPGLTGTSKESYILHMIHLSEELGYRCVFPNRRGVAGENLLT PRTYCCANTEDLETVIHHVHSLYPSAPFLAAGVSMGGMILLNYL GKTGSKTPLMAAATPSVGWNTFACSESLKPLNWLFPNYLTTC LQSSVNKHHRHMFVKQVMDHVMKAKSIREFDKFTSVMPGYQTI DDYYTDASPSRLKSVGIPVLCNSVDDVFSPSHAIPITAKQN PNAVLVLTSGGHIGFLEGIWPRQSTYMDRVFKQFVQAMVEHCH RLS
6809	939	65	DYSGQTPVPTEHGMTLYTPAQTHPEQPGSEASTQPIAGTQTVPQ TDEAAQTSQPLHPSDPTKEQKQPKRLHVSNI PFRFRDPLRQMF GQPGKILDVBI IFNEROSKGFGEVTFETSSDADRAREKLNGTIV EGRKIEVN NATARVMNKKTGPNYTNWKLNPVVGAVYGPEFYA VTGFPYPTGTAVAYRGAHLRGRGRAVYNTFRAAPPPPIPTYG AVVYQDGFYGAEI\LEATQPTDILSPLQRRQPTATVTAESTQLP TRTITPSGPRRPTALEPCETFHRFLLGP
6810	939	65	DYSGQTPVPTEHGMTLYTPAQTHPEQPGSEASTQPIAGTQTVPQ TDEAAQTSQPLHPSDPTKEQKQPKRLHVSNI PFRFRDPLRQMF GQPGKILDVBI IFNEROSKGFGEVTFETSSDADRAREKLNGTIV EGRKIEVN NATARVMNKKTGPNYTNWKLNPVVGAVYGPEFYA VTGFPYPTGTAVAYRGAHLRGRGRAVYNTFRAAPPPPIPTYG AVVYQDGFYGAEI\LEATQPTDILSPLQRRQPTATVTAESTQLP TRTITPSGPRRPTALEPCETFHRFLLGP
6811	1522	658	DLVTVMSFVDCRVIASTHGH\KSWVSVVAFDPYTSVEEGDPMF FSGSDEDFQDLLHFGDRADSTQCRLSRNSTDSRFVSVTYRFG SVGQDTQLCLWDLTEDILPFPQPLSRARTHINVMNATSPAGSN GNSVTTPGNSVPPPLPRSNLPHSAVSNAGSKSVMDGAIASGV SKPATLSLHDKERHHEKDHKRNHSMGHSSKSSDKLNLVTKTK TDPAKTLGTPLCPRMEDVPLLEPLICKIAHERLTVLIFLEDCEI VTACQEGFICTWGRPGKVVSFNP
6812	4001	1682	EDAVFSLDLSTIIQGTWFLNGEELKSENEPEGQVEFGALRYRIEQ KGLQHLRIILHAVKHQDSGALVGFSCPGVQDSAALTIQESPVHIL SPQDKVSLTFTTSERVVLTCELSRVDFPATWYKDGQKVEESELL VVKMDGRKHRLILPEAKVQDSGEFECECTEGVSAFFGVTVQDPV HVDPREHVFVHAITSECVMIACEV\DR\EDAPVRWYKDGQVEE ESDFVLENEGPHRRLLVLPATQPSDGGEFCVAGDECAFTVTI TDVSSWIVYPSGKVYVAARLERVLTCELCRPHAEVRWTKDGE BVVESPALLLQKEDTVRRLVLPVQLEDSCYELCEIDDESASPT VVTBPPVRIIYPRDEVTLIAVTLCEVVLMECELSREDAPVRWYK DGLVEBESEALVLEKRDGPRCRLVLPAAQPEDGGEFVCDAGDSSA FFTVTITEPPVQFLALETTPSLCVPAPGEPVVLSCELSRAGAPV

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			VVSHNGRPVQEGEGLELHAEGPRRLCTQAGPAHAGLYTCQSG AAPGAPSLSTFTVQVAPPPVRVVAPEAAQTRVRSTPGGDLELVH LSGPGGPVRWYKDCERLASQGRVQLEQAGARQVLRVQGARGDA GEYLCDAPODSRIFLVSVEEPILLVKLVSDLTPLTVHEGDDATFR CEVSPPDADVTWLRNGAVVTPGPORQSCCSYGGCRMCGQRKART CVSKWRQAEWVQGPFCAGCEVGSPPCTTLACPWPRMOTSTASSS MVSYWPTRAPTAARATTIAPWPGSA
6813	9	836	SSTQQRPGVPAGPRPLDGYLGVAHDKPLRMHCRDCAVLTSSCHL LHSRQGSQIDQTECVIRMNDAPTRGYGRDVGNRSTSLVIAHSSI QRILNRHDLNVSQGTVFIFWGPSSYMRRDQKQVYNLHLLS QVLPRLKAFMITRHKMLQFDELKQETGQ\NRKISNTWLSTGWPF TMTIALELCDRINVYGMGPPDFCRDPNHSPVPHYVEFPFGPDEC TMYLSHERGRKGSHPHFITEKRVFKNWARFTNIHFQPDWKPBES LAINHPENKPVF
6814	3	737	KFRQREAN/ARERNRMHGLNDALDNLKRVVPCYSKIQKLSKIET LRLAKNYIWALESILLRIGKRPDLTFVQNLCKGLSQPTTNLVAG CLQNLARSFLMQGGEAAHHTSPYSTFYPPYHSPELTTPPGHG TLDNKSMKPYNYCSAYESFYRSTSPCASPOFEGPISPPPIYNY NGIFSLKQEBTLDYGNYNHYGMHYCAVPPRGPLGQGMFRLPTD SHFFPYDLHLRSQSLTMQDELNAVFNH
6815	906	553	QGLDPASQTKVVELLKDGGSGRRGDRSSRDMAAGAGPRSESDLE DVGPTAEWNGDGGSLRRSGSPGKLRLDALRRSSEMLVKKLQGGT PQBPNNPRMKRASSLNFLNKSVEEPTQPGG
6816	1	803	NLLKTHKF\LLGQDEDSLHSVPVQMGNYQRYLKTASPLREID PDQPKRLHTFGNPFKQDKKGMIDEADEPVAGPQNKVKRPGEPN SPMSSKRRRSMSLLLRKFPQTPPTVTVNHVGGKPPSASWFFSYPN LIKPTLVHTDATIIHDGHEEKMEGQITPDGFLSKSAPSELINM TGDLMPPNQVDSLSDDFTSLSKDGILQKPGSNAFVGAKNCSL VDDQKDPVASTLGAMPNTLQITPAMAQGINADIKHQLMKEVRKF GRSK
6817	172	3457	LCGMDSPKICNGLPVIGPGTDIGISSLHMVGYLGKNFDSAQVPS DEYCPACKERKGLKALKTYRISFQESIFLCEDLQCTIPLGSKSL NNLISPDLEECETHPKPQKRKSLSSYKDSILLANSKTRNYIA IDGGKVLNSKHNGEVYDETSSNLPDSSGQNPIRTADSLERNEY LEADTVDMATTKDPATVDVSGTGRSPQNEGCTSKLEMPLESKC TSFPOALCVQWKNAYALCWLDCILSALVHSERLKNTVTGLCSKE ESIFWRLLTKNQANTLLYSQSLSGVKDGDCKLTSEIFAEIET CLNEVRDEIFISLQPOLRCTLGDMESPVFAPLLKLETHIEKL FLYSFSDWFECSQCGHQYQNRHMSLVTFNTNVIPEWHPLNAAHF GPCNNCSKSQIRKMVLEKVSPIFMLHFVEGLPQNDLQHYAFHF EGCLYQITSVIQYRANHFITWILDADGSWLECDLKGPCSERH KKFVFPASEIHIWIWERKISQVTDKEAACLPKKTNDQHALSNE KPVSLTSCSVGDAASAEASVTHPKDISVAPRTLSDQTAVTHGD HLLSGPKGLVDNILLPLTLEETIQKTASVSQNLNSRAFL\LENKPV AENTGILKTNLLSQESLMASVSAPCNEKLIQDQFVDISFPPS VVNTNMQS VOLNTEDTVNTKSVNNTDAGLIQGVKSVEIEKDAQ LKQFLTPTKTEQLKPERVTSQVSNLKKKETTADSQTTSKSLNQ SLKENQKKPFVGSWVKGLISRGASFMLPCVSAHNRNTITDQPS VKGVNNFGGFKTKGINQKASHVSKARKSASKPPPISRPPAGPP SSNGTAAHPHAHAASEVLEKSGSTS CGAQLNHSSYGNIGISSANH EDLVEGQIHKLRKLRLKRLKAEKKLAALMSSPQSRTVRSENLE QVPQDGSNDCHSIEDLLNELPYPIDIANESACTVPGVSLYSS QTHEILAEILLSPTFVSTELSENDEGDFRYLGMGDSHIPPPVPS EFNDVSQNTHLRQDHNYSPTKKNPCEVQPDSTNNACVRTLNL ESPMKTDIDFDEFFSSALNALANDTLDLPHFDEYLFENY
6818	2	240	RGFDRKVLWT/LSGAVK\CVQFSRISPDGEEGYPGELKVVVTTYTL

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			DGGE/LHS/ATTEHKP/VQATPVNLT\TILTSTWQARLPQI
6819	1	961	GIPCTEMGNFDNANVTGEIEFAIHYCKTHTSLEICIKACKNLAY GEEKKKCNFYVKTYLLPDRSSQGRKRTGVQRNTVDPTFORTLK YQVAPALVTRQLQVSVMHLGLTARRVFLGEVITPLATWDFEDS TTQSFRRWHPLRAKADKYEDSVQSNGETVRAKLVLPSRPRKLQ BAQEGTDQPSLHGQLCLVVLGAKNLPVRPDGTLNSPVKGCITLP DQQLRLKSPVLRKQACQPKHSPVPSGVTPAQLRQSSLELTVW DQALFGMNDRLGGT\RLGSKGDTAVGGDACSQSKLQWQKVLSS PNLWTDMTLVLA
6820	1014	340	GDMVYIVGHVPPGFPEKTQNKAWFREGFNEKYLKVVVKHHRVIA QQFVGHHTDSFRMLYDDAGVPIAMFITPGVTPWKTTLPGVVN GANNPAIRVFYDRATLSLKMVTYFMNLSQANAQGTFRNELEY QLTEAYGVPDASAHSMHTVLDRIAGDQSTLQRYVYVNSVYSAG VCDEACSMQHVCMRQVIDDAYTTCLYASGTTVPVQLPLLMAL LGLCT
6821	1088	518	EFDIYR/EVGGEFVPVTRDDSSNGFPRTQHGSPSTVHPIQSPQN RPFVLTLDPELPAIATTLIDVLFYSHSTPKKAASSSPPESSIT FFAFSLIEGYI\SIUMDAETQKKFSDLLTSSSGELWRMVRIG GQPLGFDECGIVAQIAGPLAAADISAYYISTFNFHALVPEDGI GSVIEVLQRRQEGLAS
6822	1088	518	EFDIYR/EVGGEFVPVTRDDSSNGFPRTQHGSPSTVHPIQSPQN RPFVLTLDPELPAIATTLIDVLFYSHSTPKKAASSSPPESSIT FFAFSLIEGYI\SIUMDAETQKKFSDLLTSSSGELWRMVRIG GQPLGFDECGIVAQIAGPLAAADISAYYISTFNFHALVPEDGI GSVIEVLQRRQEGLAS
6823	654	221	PPKLLSRWARMGHGDEIV\LSDLNFPGLLHLPVVGWRSVQTAC GIPQLLEAVLKLPLDTPVVESPAAMVLPSPDKERGLQTPVWTE YESILRRAGCVRALAKIERFEFYERAKKAFVAVTGETALYGNL ILRKGVIALNPLL
6824	858	104	LLLAQRWGW\CCFFSLAVSVKMNVLFPAGLLPLLLTQFGFRG ALPKLGICAGLQVVLGLPFFILENPSGYLSRSFDLGRQFLFWTV NWRFLPEALFLHRAFLALLTAHLTLLLFALCRNHTGESILS LLRDPKRRKVPQPLTPNQIVSTLFTSNFIGICFSRSLHYQFV WYFHTLPLYLWAMPARWLTHLLRLVLGLIELSWNTYPTSCSS AALHICHAVILLQNLGEPQFPFKSTQHSKKAH
6825	3	1173	SSGEFLQASDIMWTISDTGWILLILCSLMEPNALGACTFVHLL PKFDPVLVILKTLSSYPISKMMGAPIVYRMLLQDDLSSYKFPHLQ NCLAGGESLLPETLENWRAQTGLDIREFYGTETGLTCMVSKTM KIKPGYMGTAASCYDVQIIDDKGNVLPGETGDIQIRVKPIRPI GIFSGYVDNPDKTAANIRGDFWLLGDRGKDEGDFYQFMGRADD IINSSGYRIGPSEVENALMEHPAVVETAVISSPDPVRGEVVKAF VILALQFLSHDPEQLTKELQHVKSVTAPYKYPKIEFVLNLPK TVTGKIQRA\KLKDKKWKMSGKAPCAVRHLRDIHLDSPLLSLSF PPGPIALPMDGYGDSLWEEHYKFCIALVISTKLHVRC
6826	2304	954	LKTESYKPV/VNIALAFHLLGERASPNSFWQPYITLPRRYDTP LYFEEDVRYLQSTQAIHDVFSQYKNTARQYAYFYKVIQTHPHA NKLPLKDSFTYEDYRWAVSSVMTRQNQIPTEDGSRVTLALIPW DMCNHTNGLITTYNLEDDRCCEVALQDFRAGEQIYIFYGTRSN ABFVIHSGFFDNNSHDRVKIKLGVSKSDRLYAMKAEVLARAGI PTSSVFALHFTPEPPIAQLLAFLRVFCMTERELKEHLLGDSAD RIFTLGNSEFPVSWDNEVRLWTFLEDRASLLKTYKTTIERDKS VLKNHDSVRAKMAIKRLRGEKELEKAVKSAAVNREYYRQOME EKAPLPKYEESNLGLLESSVGDRLPLVLRNLEEEAGVQDALNI REAIKAKATENGLVNGENSIPNGTRSENESINQESKRAVEDAK GSSSDSTAGVKE

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6827	1	779	SSVVEFGLSVLGGFLFLFVLENMLGLLRHRLRPRCCRRKRRL ETRNLDPENGSGMALQPLQAAPEPGAQOREKNSQHPPALAPPG HQGHSHGHQGGTDITWVLLGDGLHNLTDGLAIGAAFSDFSSG LSTTLAVFCHLPHLPGDFAMLLQSGLSFRLLLSLVSGALGL GGAVALGVGLSLGPVPLTPFWVPGVTAGVFLYVALVMDLPALPSS GAPA\HVLQGLGLLGGCLMLAITLLEERLLFVTTTG
6828	3	1654	KSQHG/WILQLMHSCKEGYVVDLKGKNGPGLHRAMLDDNGTRFSE LGHLSQTASLKRGSFQSGRDDTWRYKTPHRVAFVEKLTKLVL S QLENFVKLWISYVNGSLFSETAEKSGQIERSKNVRQRNDPKM IQEVMHSLVKLTRGALLPLSIRDGEAKQYCGWVKCELSGQWLA HAIQTVRLTHRSITALEIPNDLLQTIQDLILDLRVRCVMATIQH TAEETIKRLAEKEDWIVDNEGLTSLPCQFQCIQCSLQSLKGVLE CKPGEASVPQPKTQBEVCQLSINIMQVFIYCLEQLSTKPDADI DTTHLSVDVSSPDLPFSIHEDFSLTSEQRLLIVLSNCCYLERHT FLNIAEHFPEKHNFQGIETKTQVSMASLKRDLQRLFENYIELKAD PIVGSLPEGIYAGYFDWKDCLPTGVVRNLYKALVNI IAVHAEV FTISKELVPRVLSKVIEAVSERLSRLMQCVSSPSKNGALQARLE ICALRDTVAVYLTPEKSSFKQALKALPQLSSGADKKLLEBLN KFKSSMHLQLTQPAASSTMMKT
6829	1	782	MRMEAGEAAPAGAGGAAAGGKGVRLNVGGTVFLTTRQTLCR EQKSFSLRQCQBELQSDRDETGAYLIDRDPYFGPIILNPLRHG KLVLDKMAEBGVLEEARFYNIQPLIRI IKDRMEEKDYTVTQVP PKHVYRVLQCEBELTQMVMSTMSDGRFQELVNIQSSYNYGSED QAEFLCVSKELASTPNGLSSESSRKTKSTEEQLEEQQQQBEV BEVEVEQVQVEADAQEK/CCYKPEAPGCEAPDHLQGLGVPI
6830	1	939	MRPGSVENLSIVYRSRDFLVVNHWDVRIIDSKAWRETLTLQQL RYRFPPELADPDTCYGFRCFCHQLDFSTSGALCVALNKAAGSAYR CFKERRVTKAYLALLRGHIQESVITISHAIGRNSTEGRAHTMCI EGSQGCENPKPSLTDLVVLEHGLYAGDFVSKVLLKPLTGRTHQL RV/HCSALGHPVVGDLTYGEVSGREDRPFRRMLHAFYLRIPDTT ECEVCTPDPFPLSLDACNSPHLLQSLDQLVQALRATPDPPDE DRGPRPGSPSALLPGPRPPPPPTKPPETAQRGCPCLQWLSEWT LEPDS
6831	3	1087	SLFFGSSTPDNKAQEDLELTQSPSPVEKAVTVIDPEGTIPTNF NVAEKPADHSLSEVKLKTAEPRGTLVKSGDQGVNKRKSMILSN VEDLQPKFISEVSREDYGGKISGDSERMINSVVTSADGENL EIQSYSLIGKLVMEBAKTIVPPHVTDSCRKVPKPAIAPPKWN I SIFKEEPRSDQKQKSLSDVVDKVPQPKSASSNFASKNITKE SEKPESIILFVERSGSLIDFSEDRLKEMONPTSLKISEEETK LRSVSPTEKKDNLNR\SYTL\AEKKVLAEKQNSV\APLELRDS NEIGKTQITLGSRSTELKESKADAMPQHFNEDYNERPKIIVG SEKKKDEKKK
6832	1809	412	MCSGLISGPPQDNGSALKEPERAQEHS LNPAGGQHFFFYLLV VSLKKKRSEDDYEPIITYQFPKRENLLRGQEEBERLLKAIPLF CPPDGNWASLLEYPRETF SFVLINVDGSRKIGYCRRLPAGPG PRLPKVYCIISCIGCFGLFSKILDEVEKRHQISMAYIPFMQGL REAAPPAPGKTVTLSFIPDSGTRFISLTRPLDSHLEHVDSS L LKLSFEQILLQIPASAVLERKIIFLAEGSLTSLQCIHAAALLY PFSWARTYLPVVPESLATVCCPTPFMVGVQMRPQQEVMDSPE EVELLVNLCBGTFLMSVGEKDI LPPKLQDDILDLSLGGGINELKT ABQINEHVSGPPVQFFVKIVGHYASYIKREANGQGHFQERSFCK ALTSKTNRRFVKKFVKTLQFLSFTQEAESKNPPAGYFQOKILE YBEQKKQ/TETKGNCEIRAVVNKD
6833	1	1129	PLMTLSQCGGIPGHGHSHGHGHCHGLPKGPRVSTRPGSSDIN VAPGEQCPDQERTNTLVANTSNSNGLKLDPADPENPRSGDTVEV QVNGNLVREPDHMELEEDRAGQLNMRGVFLHVLGDALGSVIVVV

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			NALVFFYFSWKGCEGDFCVNCPFPDCKAFVRIINSTHASVYEA GPCNVLYLDPTLCVVMVCILLTYTYPILLKESALILLQTVPKQID IRNLKELRNVEGVVEVHELHVWQLAGSRRIATAHIKCEDEPTSY MEVAKTIKDVFNHGIHATTIQPEPASVGSKSSVVPCELCARTQ CALKQCCGTLPOAPSGKDAEKTPAVSISCLLENNLEKKPRRTK AENIPA\VVIEIKN\IPNK\QPESSL
6834	78	1151	AGGERPAPIWRLLMLFTPSVSRKAEFAHIPINR*GA*E*RGGLP LCGSSASAYGWH*RLTPWSPGGS*HM*SSKAPVTQAREVLVAGP CSKLVLSGARGIVGTTVQVLVEAQPLILLFTGVWGLNLRAGEE SRAL*LIKEVTQVRDAHLGNVVGCAQCLSGQGVGSALAKALLE AAAAVRDCKEVLTVSGDKQAEVSRL*VRDVCVEBAGCVEFGQ AHGRPGLALAKGRGGTNEVEEQVQVDGVQKLVLSAHECHELVAG QQDGEDQAARTLLQAGAHSAHGRRQQAACRPHQEGAGVSCHE LQQVVGDAI*ARE*APQITVLLLEEDVAQLRTGKKA*DLVVDVE QLLRQL
6835	1	834	GTPAADR\EASLELIKLDISRTFPNLCIFQCGGPYHMLHSILG AYTCYRPDVGIVQGMSPFAAVLILNLDADAFIAFSNLLNKPCQ MAFFRVDEHGLMLTYPAFEVVFEEENLPKLFPAHFKNLTPDIYL IDWIFTLYSKSLPLDLACRIWDVFCRDGEFLFRTALGILKLF DILTKMDFIHMAQFLTRLEPDLFABELFASIAITIQMSRNKKWA QVLTALQKDSREMRGKSVPTLRLOREFALGTNQSPMPRLCC FRLTPGQPRRTDAL
6836	1	850	MSCGRPPPDVDGMITLKV\DNLYTSTSPDSLRVFEKYGRVGDV YIPREPHTKAPRGFAFVRPHDRRDAQDAEAMDGAEIDGRELRV QVARYGRDLPRSRQGRHAAGPEAA/RYGRRSRSYGRRSRSPR RRHRSRSGPSCSRSRSRSGRYGSRYSRSPYSRSPYSRYSR PYSRYSRESRYGGSHYSSSGYSNSRYSRYSRSHSKSGSSTS SRSASTKSSSARRSKSSSVSRSRSRSSSMTRSPRVSKRKS KSRSRKRPPKSPBEEGQMSS
6837	1	1369	TGGAAGVAGNPGSDYFPFGGTAP/GGPRTRP\SGTSSSGSKASGP PNPPAQGDGTSLSFNITLSTSGNDGKPVSGGGRGRGRKRDS GHVSPGTFPDKYSAAPDSGGAPGVSPGQQASGAAGVSSAGET RGAPTPEKALTPSPWKGAEILLGDQPDIGSLDGGAKSDSS PNVGEFASDEVSTSYANEDEVSSSDNPQALVKASRSPLVGSP KLPPRGVAGAGEBGPAPPALGLGIMSNSTSTPDYGGGGGPGH PGTPGLEQVTRPTSSSGAPPDEIHPIELQAIQLQRQOFSIS EDQPLGLKGKKGRCVAGSAGQNGDSELGCCSEAVKSAMSTI DLDLSMAEHSAAWYMPADKALVDSADDDKTLAPWEKAKQNPNS KEAHDLPANKASASQPCSHLQCLSVHCTDDVGDARASVPTWR SLHSDISNRFGTFVAALT
6838	16	499	LTDTPPPKTHMTHHSISDYKATLRCWALGFYPMETLTWQODEE DQTRDMELVETRPAGDGTFOKNAAVVVPSSGE/Q/RYMCHVQHE GLPEPLTLRWEQSSOPTIPVIGIVAGLVLLGAVVTGAVVSAMC RKNSDRVSYSAASSDHAQGSDDVSLTACKV
6839	1	1195	AAPAGGGFDPEALSAPFGRHLSGLSWPQVKRLDALLSEPPIHG RGNFPPTLSVQPRQIRAGGPOHPGAG\IHVRVRLHGSAAASHVL HPESGLGYKDLDFVRMDLRSEASFQITKAVVLACLLDFLPAGV SRAKITPLTLKEAVQKLVKVCITSDRWSLISLNSKSGKNVBLK FVDSVRRQFBSIDSFQIILDSLLLPQCSTPMSEAFHPTVTG ESLYGDFTEALEHLRHRVIAIRSPKEIRGGGLLYCHLLVRGFR PRPSTDVRLQRYMCSRFFIDFPDLVEQRRTLEBYLEAHFGGAD AARRYACLVTLHRVNVSTVCLMNHERRQTLDLIAALALQALAE QGPATAALAWRPPGTDGVPVATVNYVTPVQPLLAHAYPTWLP CN
6840	4254	2061	ELQGDPSVPDVPKSMWCENSICVGFKRDYLLIRVDGKGSIKEL FPTGKQLEPLVAPLADGKVAVGQDDLTVVLNEBGICTQKCALNW

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			TDIPVAMEHQPPIYIAVLPRYVEIRTFEPRLLVQSIETLQRPFI TSGGSNIYIVASNHFWRLIPVPMATQIQQLQDKQFELALQLA EMKDDSDSEKQQQIHHIKNIYAPNLFCKRFEDESMQVFAKIGTD PTHVMGLYPLDLLPTDYRKQLQYPNPLPVLSGALEKAHLALIDY LTQKRSQVLVKLNDSHQSSSTPIMEGTPTIKSKKLLQIIDTT LLKCYLHTNVALVAPLLRLLENNHCHIESEHVLKKAHKYSELII LYEKKGLHEKALQVLVDQSKANSPLKGBERTVQYLQHLGTENL HLIFSYSVWVLRDFFPDGLKIFTEDLPEVESLPRDRVLGFLIEN FKGLAIPYLEHIHVWEETGSRFHNCILQLYCEKVQGLMKEYLL SFPAGKTPVPAGEEBEGELGYRQKLMFLEISSYDDPGRLLICDP PFDGLLEERALLGRMGKHEQALETVVHILKDTRMAREYCHKHY DRNKDGNKDVYLSLLRMYLSPPSIHCLGPIKLELRLPKANLQAA IQVLELHHSKLDTTKALNLPANTQINDIRIFLEKVLSENAQKK RFNQVLKLLHAEFLRV\QEERILHQQVKCIITEBKVMCVCKKK IGNSAFARYPNGVVVHYFCS\KEVNPADT
6841	1	3206	TPSTGTGKSNTPSSVPSAAVTPINBSLQPLGDYGVGSKNSKRA REKDRSRNMEVQVTQEMRNVSIGMGSSDEWSDVDQDIIDSTPELD MCPETRLDRTGSSPTQGIIVNKAFCINTDSLHSLSTAGSEVIGD VDEGADLLGEFSGCMGKEVGNLLLENSQLLETKNALNVVKNDLIA KVDQLSGEQEVLRGBLEAAKQAKVKLENRIKELEEELKRVKSEA IIARREPKEERARDVSSYLCTESDKIPMAQRRRFRTRVEMARVLM RNQYKERLMELQEAVERNTEMIRASREHPSVQEKKKSTIWQFFSR LFSSSSSPPAKRPYPGNIHYKSPITAGFSQRNHAMCPTISAG SRPLEFFDDDDCTSSARREQKREQYRQVREHVRNDGRLQACGW SLPAKYKQLSPNGGQEDTMMKNVPVVPVYCRPLVEKDPMTKLWCA AGVNLGWRPNEDDAGNGVKPAPGRDPLTCDREGDGEPKSAHTS PEKKAKELPEMDATSSRVMLTSTLTTSKVVIIIDANQPGTVVD QFTVCNAHVLCISSIPAASDSYPPGEMFLSDVNPEDPGADGV LAGITLVGCATRCNVPRSNCSRGDTFVLDDKGQGEVATIANGKV NPSQSTEERATEATEVPDPGPSEPTATLRLPGPLTEHVFTDPAPT PSSGPPQPSENGPEPDSSSTRPEPEPSGDPGTAGSSAAPTMMWLG AQNGWLYVHSAVANWKKCLHSIKLSDSVLSLVHVKGRVLVALAD GTLAIFHRGRDQWDLNSYHLMGLGPHHSIRCMVAVYDRVWCG YKNKVHVIQPKTMQIEKSFDAHPRRESQVRQLAWIGDGVVWSIR LDSTLRLYHATHQHLDVDIEPYVSKMLGTGKLGFSFVRITAL LVAGSRLVWGTGNGVVISIPLTETVVLHRCQ\LLG\LRANKTSP TSGEG\ARPGG\IIHVY\DDSSDRAARSFIPYCSMAQAQLCFH GHRDAVKFFVSVPGNVLATLNGSVLSDPAEGPGPAAPASEVEGQ KLRNVLVLSGGEGYIDFRIGDGEDDETEGAGDMSQVKFVLSKA ERSHIIWQVSYTPE
6842	3	926	RCQQLSATILTDHQYLERTPICAILKQKAPQYRIRAKLRSYK RRLFQSVKLCPCCHLLQEVPEGLDIIIFQDGTATKTPDVKLQN TSLYDSKIWTTKNQKGRKVAHVFKNGNGLPLSNECLLLIEGKT LSEICKLSNKFNSVTPVRSGHEDLELLDLSAPFLIQGTVHHYGC KQWST*RSIQNLNSLVDKTSWIPSSVABALGIVPLQYVFMVFT LDDGTGVLEAYLMDSDKFPQIPASEVLMDDDLQKSVDMIMDMFC PPGIKIDAYPWLECFIKSYNVNTNGTDNQICVQIFDITVAEDVI
6843	2	851	NMRKVLGAKRYECNECGKSPAYTSSLIKHRRHTGERPYECSE CGRSPARNSSLIKHLRVHTGERPYECVECGKSFRRSSSLQHQ VHTRERPYECSECGKSPSLRNLIHQRVHTGERHECGCGKSF SRKSSLIHLRVHTGERPYECSDCGKSPAENSSLIKHLRVHTGE RPYECIDCGKSFRRSSFRHQRVHTGMRPYK*SKFWKFCPGF LLQGGQRVHTGSRCEYCDKWIFFS*NASFFT*KSAPTEEVPP CNECEKAPSPISLVTTIFT
6844	244	642	BHQLAGFELRKTQTSMSLGTTRKTRVKSTAYLSPOLEDVFPY QYDVKSEIYSPGIVLWEIATGDIPOCGCNSEKIRKLVAVKRQGE

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			PLGEDCPSELREIIDECEAHDFSVRPSVDEILKKLSTFSK*CIK I
6845	3	1519	VAVRDECYWRHVFWDQDLWMLLFIIMCHPETAARARLEYRIRITLD GALENAQNLGYQGAFAWESADSGLEVCPEDIYGVQFVHVNGAV GLAFELYVHTTQDLQLFREAGWDVVRABFWCSRVEWSPREB KYHLRGVMSPEYHSGVNNVSYTNVLVQNSLRFAAALAQDLGLP IPSQWLAVADKIKVPFDVEQNPHPEFDGYBPEGVVKQADVLLG YPVPPSLSPDVRRKNLEIYEAVTSPOGFAMTWSMFAVGWMLKLD AVRARGLLDRSFANMARPPKVTENADSGAVNFLTGMGGFTQA VVPFGCTGPRVTRAGVTFDPVCLSGISRVSVSGIFPYQGNKNLSP SEDSVTVEVTARAGPWAPHLEAELWPSQSRLSLPCHRVSPFRS AGRIQMSPPKLPSSSSSEFPGRTFSDVRDPLQSPWVTLGSSSP TESLTVDPASE*SGTGASETSLGPSLWFLRHPPLGLTLLACHPS PAARLSGKVHAAWPEFKAPCL
6846	213	1258	LYFLKTIK*LNRLAHP*YENKLTCLRNTIMEQYTRTEESARG IIFTKTRQSAAYALSQWITENKFAEVGVKAHLIGAGHSSEFPK MTQNEQKEVISKFRGKINLLIATTVAEGLDIKECNIVIRYGL VTNEIAMVQARGRARADESTYVLVAHSGSGVIEHETVNDFREKM MYKAIHCQNMKPEEYAHKILELQMQSIMEKKMKTKRNLAKHYK NNPSLITPLCKNCSVLACSGEDIHVIEKMHVNMTPSPKRLYTV RENKTLQKKCADYQINGEII CKCGQAWGTMVHKGDLPLCKIR NPFVVFRNNSTKKQYKKWVELPITFPNLDYSECCLFSDDED
6847	1450	348	SMCWNSDRLEMLIDLALILYPPSYVPYTGHLSDDSLRSKYCLT WFDALNGVL*RAEAIQPHCVNAGDRMEKFRQKYWNKLQTLRQQ PFAYGTLTVRSLLDTREHCLNEFNFPDPYSKVKQRENGVALRCF PGVVRSLDALGWERRQLALVKGLLAGNVFOWGAKAVSAVLESBP YFGFEAKRKLQERPWLVDSYSEWLQRLKGPCHKALIPADNSG IDIILGVFPFVRELLRGTEVILACNSGPALNDVTHSESILVAE RIAGMDPVVHSALREERLLLVQTGSSSPCLDLSRLDKGLAALVR ERGADLVVIEGMGRAVHTNYHAALRCESLKLAVIKNAWLAERLG GRLPSPVIFKYEVPAB
6848	19	16	AMWNSLDGIRNTVLSNPKKNTLSLAMLKSLQSDILHDADSDND LKVIIISAEGPVFSSGHDLKELTREQGRDYHAEVFPQCSKVMHM IRNHPVPVIAVMVNGLATAAGCQLVASCDAVASDKSSFATPGVN VGLPCSTPGVALARAVPRKVALEMLPTGEPISAEALLHGLLNK VVPBRLQEEETMRITARKIASLSRPVVSIGKATFYKQLPQDLGTA YYLTSQAMVDNLALRDGQEGITAFLOKRPVWSHEPV*VEH
6849	70	821	SLGVDGSCLEQGSAPRPQTDTSP*PVGNNATQQEDLYHQSYEC VCVLFAVSPDPKFEFYESNINHEGLECLRLNEIADFDILLSK PKPSGVEKIRTIGSTYMAATGLNATSGQDAQDAERSCSHLGT VEPAVALGSKLDVINKHSFNNFRLRVGLNHGPPVAGVIGAKPKQ YDINGNTVNVASRMESTGVLGKIQVTRETAWALQSLGYTCYSRG VIKVGKGQQLCTYFLNTDLTRTGPPSATLG
6850	2	1235	ARGLNHEWTFEKLQHISRNAQDKQELHLFMLSGLVDPDAVFDLTD LDVLKLELIPAKIPAKISQMTNLQELHLCHCPAKVEQTAFSPL RDHLRCLHVKFTDVAEIPAWVYLLKNLRELYLIGNLNSNNKMI GLSLRELRLHLKILHVKSNTKVPSNITDVAPHLTKLVIHNDGT KLLVLNLSLKKMMNVABEELQNCLELRI PHAIPSLSNLQELDLKS NNIRTIEEIIISFQHLKRLTCLKLWHNKIVTIPPSITHVKNLES YFSNNKLESLEPVAVFSLQKLRCLDVSYNNISMIPETIGLLQNLQ HLHITGNKVDILPKQLFKCIKLRTLNLGQNCITSLPEKVGQLSQ LTQLELKGNCCLDRIPAQLGQCRMLKSGLVVEDHLFDTLPLEVK EALNQDINIPFANGI
6851	1765	660	VSAQVSAREGENCLGNLADSSQESYKSLEEARDCCYPSLLTLTD LRDLFNQVEQSPLSLCPKAGTDLMSGRAREVGWMAAGLMIGAGA CYCVYKLTIGRDDSEKLEEEGEEWDDQELDEEEDPIWDFET

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			MARPWTEGDGDTPEGAPGGTEDRPSGGGKANRAHPKQRPFPYE HKNTWSAQNCNGSCVLDLSKCLFIQKLLFAEPKADAGFPFSOD INSHLASLSMARNTSPTPDPTVRREALCAFDNLNASIESQGGQIKM YINEVCRRTVSRCCNSFLQQAQINLLISMVIVNNMLAKSASDLK PPLISEGSGCAKQVLKPLMGLSEKPVLAGELVGAQMLFSPMSL PIRNGNREILLETAP
6852	1	407	RTRGETTYANFIKHNDGKNIFYAARTPATLFAVMFAMYIISGLT GFIGLNSIAVLNCLVMGLALIFLCTWAYVKYSGEFREGITVIDQ IAETLWEQVLKPLGDNLMZENIRQSVINSIKAGLTDQVSHHARL KTD
6853	3	469	GDSCAVCTELYKPNLVRILTCHNHFHKTCVDPNLLHRTCPMC KCDILKALGIEVDVEDGVSLSQVPVSNEIPNSASSHEDNRSET ASSGYASVQGTYEPPLEEHVQSTNESLQLVNHEANSVAVDVIPH VDNPTFERDETPNQETAVREIKS
6854	1148	585	HESYIGTFDPGELCVCAAIQWLQDNSASYFLNRKLVYEPSTQAK PVKNITLRLMWIYSHHIYQDLRKKILDVGRRLDVTGFCMTGKPG IICVGEFKHECEEFWHTIRYPNWKHISCKHAESVETEGNGEDLR LFHSFPEILLLEAHGDYGLRNDVHMNLGQFLFLKHKSEHVFI LFGIESKSSDS
6855	1913	1148	GRVGRVGRICSPLSGANEYIASTDTLKTREVLFTDQTDLLAK KEPTSLFQDSDSETKESGLVLEGDKEIHQIFEDLDKGLALASRP YIPBGCIORNAEMVVALDALHREGIVCRDLNPNLILNDRGHI QLTYFSRWSEVEDSCSDAIERMYCAFEVGAITEETEACDWNWSL GAVLFELLTGKTLVECHPAGINTHTTLNMPFWVSEEARSLIQQL LQFNPLERLGAGVAGVEDIKSHFFFTFVDWAEIMR
6856	1617	997	VTQLYVSVDASTKDSLKKIDRPLFKDFWQQLDLSLKALAVKQR TVYRITLVKAWNVDELQAYALVSLGNPDFIEVKGVTYCGESSA SSLTMAHVPWHEEVVQPVRELVDLIPEYBIACEHEHSNCLLIAH RKFKIGGEWWTWLNYNRPQELIQEYEDSGGSKTFSADY MARTP HWALFGASERGFDPKDIRHQRKNKS KALS GC
6857	1	617	KGPRTAMVCVCSHPNCRQNHKPSHSAQTWCGSPPTASAPNH KIMAMEQKTLPSATEDAKEEGLEAQISRLAKLIGRLESKALWP DLQQLRSDSDGTMHLQLVRQEMAVCEQLSEFLDSLRLQYLRT TGVRNCPHITAVRLSDOPTFVYIEFWETEBAWKRHLQSLCKAF RHVKVDTLSPQPEALSRLVPAANCTVGRD
6858	2	669	RSRGIKDFENDEPLSSCGIFQSRIAGDALDLSGIRISSVFASPA LRCVQTAKLILEELKLEKKIKIRVBPGEFETKWEAGKTTPTLM SLEELKEANFNIDTDYRPAFPLSALMPAESYQEYMDRCTASMVQ IVNTCPQDTGVILIVSHGSTLDSCTRPLLGLPPRECGDPAQLVR KIPSLGMCFCBENKEEGKWLVNPPVKITLTHGANAAFNRNRWIS GN
6859	1	1150	GETMFKKAKTKAKKKPRKRSDDSGGYNLSDI IQSPSS TGLLKSG KINSVESLPELLTSDSEGSYAGVGSERDLQSPDFTTGFHSDKIE AKVKPYVNGTSPVYSREDLKPWEKSPILKISADQPIPSNRIDTT SSASWVAGSPSPVSPVVDLRTIMEIESRQKOGATPKSHLGKT VSHGVKLSQKQKMIALTCKENNSGMNSMETVLFTPSKAPKPVN AWASSLHSVSSKSPRDFLLBKKSVTSHSSGDHVKKVSPFKGIEN SQAPKIVRCSTHGTGPEGNHISDLPLDSDPNWLSSTVAPSM VAPVTFASIVEELQEEALIRSREKPLALIQIEBHAIQDILLVF YEAFGNPEEFVIVERTPGPLAVPMWNKHGC
6860	1889	1515	DKDKKRQKRGIFPKVATNIMRAWLFQHLTHPYPSEEQKKQLAQ DTGLTILQVNNWFINARRIVQPMIDQSNRAVSQGAAYSPEGQP MGSPVLGQQHMGIRPAGPMGGMGMMDGQWHYM
6861	1889	1515	DKDKKRQKRGIFPKVATNIMRAWLFQHLTHPYPSEEQKKQLAQ DTGLTILQVNNWFINARRIVQPMIDQSNRAVSQGAAYSPEGQP

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			MGSFVLGGQHHMGIKIPAGPMGMMGMMDGQWHYM
6862	2	471	EEIDREFHNKLLKLEKLEKQKPVNGEDKGDSGVDTONSEGNA DEEDPLGPNICYDRTKSPFDNISCDNRERRPTWARRRLNART FGIPLRPNRGRGGYRGRGGLGFRGGRGGGRGGTFTAPRGFRG GFRGGRGGREFADFEYRKTTFAGP
6863	2216	487	PQEPALKSEFSQVANSITPLPLPQPNCTKNGPCKQVCSTVGGSS AICSCFPGYAIMADGVSCEDQDECLMGAHDCSRRQFCVNTLGSF YCVNHTVLCADGYILNAHRKCDVINECVTLHTCSRGEHCVNTL GSFHCYKALTCEPGYALKDGECEVDCEAMGITHCQPGFLCQNT KGSFYCQARQRCMDGFLQDPEGNCVDINECTSLSEPCRPFGPSCI NTVGSYTCORNPLICARGYHASDDGTFKCDVNECETGVHRCGEG QVCHNLPGSYRCDCKAGFQDAFGRGCLDVNECNASPGRLCQHT CENTLGSYRCSGASGFLLAADGKRCEDVNECEAQRCSQECANIY GSYQCYCRQGYQLAEDGHTCTDIDCAQAGILCTFRCLNVFPGS YQCACPEQGYTMTANGRSCKDVDECALGTHNCSEATCHNIQGS FRCLRFPCPPNYVQVSKTKCERTTCHDFLEQONSAPRITHYQLN FQTGLLVPAHI FRIGEPAPFTGDTIALNIKGNEEGYFGTRRLN AYTGVVYLQRAVLEPRDFALDVMKLNWQGSVTTFLAKMHIFTT TFAL
6864	2	2933	LADSSPSNLQIIKELLSMHHQDPALTKEFDYLPVDSRSSSG FVGLRNGGATCYMNAVFPQQLYMQPLPSILLSVDDDDNDPDSV FYQVQSLFGLHLMESKLYTVPEPNFWKIPKMNKELYVREQQDAY EFFTSLIDQMDLEYLKKMGRDQIFKNTFQGIYSQKICKDCPHRY EREEAFMALNLGVTSCQSLIISLDQFVRGEVLEGSNAYYCEKCK EKRTIVKRTCIKSLPSVLVIHLMRFGFDWESGRS IKYDEQIRFP WMLNMEPYTVSGMARQDSSSEVGENGRSVDQGGGGSPRKKVALT ENYELVGVIVHSGQAHAGHYYSFIDRRGCGKWKYKFNDTVIE EFDLNDETLEYECFGEYRPKVYDQTNPYTDVRRRYWNAIMLFY QRVSDQNSPVLPPKSRVSVVRQEARDSLAPSSPEISPPQSSPR PHRPNNDRLSILTKLVKGEKKGLFVEKMPARIYQMVRENKLF MKNRDVYSSDYFSFVLSLASLNATLKHPPYPCMAKVSQLAIQ FLPQTYLTKKLLRVDTEEWIATIEALLSKSPDACQWLVEFYFIS SEGRELKIFLLECNVREVRVAVATILEKTLDLSALFYQDKLSL HQLLEVLALLDKXVPENCKNCAQYFFLFNTFVQKQIRAGDLI LRHSALRHMISFLLGASRQNNQIRRWSSAQAREFGNLHNTVALL VLHSDVSSQRNVAPGIFQRPPISIAPISSPLLPLHBEVEALLFM SEKPYLLEVMFALRELTSLLALTEMVYCCFCNEHFSFTMLH PIKNQLETAPPHELKNTFQLLHEILVIEDPIQVERVKFVFETEN GLLALMHHSNHVDSSRCYQCVKFLVTLAQKCPAAKRYFKENSHH WSWAVQWLQKRMSBHYWTLQSNVSNETS TGTFTORTISAQDTLA YATALLNEKEQSGSSNGSESSPANENGDRHLQGSSESPMMIGEL RSDLDVDP
6865	1820	1242	DPERWKHLKSVTPPGSSVSTTPVQVRLQSPQSGSMMPSCNRS CSCSRGPSVEDGKMYGVRSYLHLFYEYAVPPKLEGIGEFLV LDQRAADYNQALGTCLAGTALCVAAGVLLAICLFWAMIGWLSQ DTKAEPLDPEADSHVEVFGDRPEQQLSPIFRNASGQSWFSPPAS PFGQSSVQTIQPKRDS
6866	1571	495	DCPRPRYTLYGLRATCMRDLDWANINAVSAFKALEQDLPVNIK IIEGMBEAGSVALEELVEKEKDRFFSGVDYIVISDNLWISQRKP AITVTRGNSYFMVEVKCRDQDFHSGTGGILHEPMADLVALLG SLVDSSGHILVPGIYDEVVPLTBBEINTYKAHLDLSEYRNSSR VEKFLFDTKKEILMHLWRYPSLSIHGIEGAFDEPGTKTVIPGRV IGKPSIRLVPHMNVSAVEKQVTRHLEDVFSKRNSNKMVVSMTL GLHEPWIANIDDTQYLAAKRAIRTVFGTRPDMIRDGSTIPIAKMF QEIVHKS VVLIPLGAVDDGEHSQNEKINRWNYIEGTKLPAPFPL EMAQLH

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6867	2833	1704	GTRIMSQPRQKELAGFVRQKMLLDYSVVMGRVCVPQESRSPQSP LQSAESSPTAGKKLPEVPPSEEEQEAVNALLGRIFWDFLGEK YWSDLVSKKIOMKLSKIKLPYFMNELTLTELDMGVAVPKILQAF KPYVDHQGLWIDLEMSYNGSPLMTLETKMNLTKLGEPLVEALK VGEIGKEGCRPRAPCLADSDSESSAGSSEEDDAPEPSGGDKQL LPGAEGYVCGHRTSKIMRFVDKITKSKYFQKATETEFIKKKIE VSNTPLLLTVEVQECRGTLANVIPPPTDRVWYGFRRKPPHVELK AREPKLGEREVTLVHVTDWIEKKLEQEFQKVFVMPNMDVYITIM HSAMDPRSTSCLLKDPPEAADQP
6868	1	346	RPTRPPTRPETIKNLILPYISDMNFVQDLCEDFYELFKTDKGF KATFESQMSVMRGQILNLTQALRDGKSPFQLVQIPCVIVERSQG GSQGRIVHLSNSFTQTVNCRKPPFSEW
6869	3	1619	MYMERMDKRALISFWESVEHLKANKNEIPQLVGEIYQNFVFS KBISVEKSLYKEIQCLVGNKGIEVYKIQEDVYETLKDRIYPS FIVSDLYEKLLIKEEEKHASQMSINKDEMGPRDEAGRAVDDGT NQINEQASFAVNKLRELNEKLEYKQALNSIQNAKPKDKKIVSK LKDEIILIEKERTDLQHMARTDWECENLGMWASITSGEVTE NGEQLPCYFVMVSLQEVGGVETKNWTVPKRLSEFHNLRKLSEC VPSLKKDQLPSLSKLPKSIDHTPEKPEKNLKNPLQNLSDER LCQSEALYAPLSPSPDYLVKVIDVQKKNSPSSFLERLPRDF SHQEEETEEDSDLSYDGDVDRKDALAEPCFMLIGEIFELRGM FKWVRRTLIALVQVTFGRITINKQIRDTVSWIFSEOMLVYINIF RDAPFWNGKLAPPTTIRSKESQETKQRAQOKLENIIPDMLQSL VGOQNARHGIIKIFNALQETRANKHLLYALMBLLLELCPELRV HLDQLKAGQV
6870	1	1566	MAAVVAATRWQLLLVLSAAGMGASGAPOPPNILLIMDDMGWG DLGVYGEPSRETPNLDMAABGLFPNPNYSANPLCSPSRAALLT GRLPYIRNGFYTTNAHARNAYTPOEIVGGIPDSQELLPELLKKAG YVSKIVGKWHLGHPRQFHPKLGFDWFGSPNCHFGPYDNKARP NIPVYRDNEMVGRYEEFPINLKTGEANLTQIYLQEALDFIKRQ ARHHPFFLYXWADATHAPVYASKPFLGTSQRGRYGDAREIDS IGKILRELLQDLHVADNTFVFPSTSDNGAALISAPEQCGSNGPFLC GKQTFPEGGMRREPALAWMPGHVTAGQVSHQLGSIMDLFTSLAL AGLTPPSDRAIDGLNLLPTLLQCRMDRPIFYRGDTLMAATLG QHKAFHFWTNSWENFRQIDFCPCQNVSGVTHNLEDHTKLPL IPLGRDPGERFPLSFASAEYQEALSRITSVVQQHQEALVPAQP QINVCNVAWMWAPPCEKLGKCLTPPESIPKKCLNSH
6871	209	1126	RMSLNPPIFLKRSEENSSKFVETKQSQTTSASRDLQNLCLAS QEVQLKAQSGRSKCLKCGSRMFYCYTCYVVENVPIDQIPLV KLPLKIDIIKHPNETDGKSTAIHAKLLAPEFVNIYTPCIPEYE EKDHEVALIFPGPQSIKIDISPHLQKRRIQNNVRGKNDDEPKPS FKRKRTEEQEFCDLNDKCKGTTLKKIIPIDSTWNQTNKIFTDE RLQGLLQVELKTRKTCFWRHQKGPDTFLSTIEAIYYPLVDYHT DILKEKYRGQYDNLFFYSFMYQLIKNAKCSGDKETGKLTH
6872	880	459	FGLLMVVLSLIFMKGNCVREDLIFNPLFKLGLDVRETNGLPNT KKLITEYFVRQKYLEYRRIPYTEPAEYEFWGPRAFLKTSKMLV LRFLAKLHKDPQSWPFHYLEALAECEWEDTDEBPDGDSAHG PSTRPPPR
6873	1929	955	DEQAVLCSKDKTYDLKIADTSNMELFIPGCKTPDQLKKEDSHCN IHTEIFGFSNNYWELERRRRPKLKKLKLMLNPEYEGPDSQKEK DSNSSKYTTEDLLDQIQASERIMTQLQVILNACKIGGYWRILEF DYEMKLLNHVTQLVDSSESWSFGKVPNLNCLQELGPLEPEMIEH CLKCYGKYVDEGEVYFELDADKICRAARMLLQNAVKNLAEF QEVWQSVPEGMVTSLDQLKGLALVDRHSRPEIIFLLKVDLDPE DNQRRFNSLFSLEKWTEDIAPIQDLCEGKQTIGALLTKYSH SSMQNGVKVYNSRRPIS

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6874	1	307	DSIADHVNSAAVNVEEGTKNLGKAAYKLAALPVAGALIGGMVG GPIGLLAGFKVAGIAAALGGGVLGFTGGKLTQRKKQKMKMLTS SCPDLPSQTDKKCS
6875	1688	349	VIGTGERGNSASEKWEIMFNEELGDPPIIHSISLINAEEHSTA TLLRIEKEBELDMKSGFYVLEWVTISKKNQDNKKYELIKRDI LRKGSVPHYAAIEPDGNLMIVSYKSLTFVQAGQDLEENMDEDI SEKIKEPLYWQQTEDDLTVTIRLPEDNTKEDIQIQLPDPHINI VLKDHQFLEGKLYSSIDHESSTWIKESNSLEISLTKNEGLTW PELVIGDKQGELIRDSAQCAAIARLMLHLSERLNPNDKEKPP CNAQLEBECDFFEESSSLCRFDGNLTKTHVNLGSSNQYLPVS IVDPKEMPCFCLRHVDVALLWQPHSSKQDDMWEHIATFNALGYV QASKRDKKFFACAPNYSYAALCECLRRVFIYRQAPMSTVLYNR KEGRQGVQVAKQVQVASELTNDPILGFQATNERLFLVLTNKLFLI KVNTE
6876	41	1285	VGEMTLINRHLLRPLCLVTSAPRILEMHPFLSLGTSRTSVTKLS LHTEPRMPPCDFMPERYQVIFLVNSGSEANLMLMARAHSNNT DIISPRGAYHGCSPYTLGLTNVGIYKMLPGGTGCPQTMCPDVF RGPWGGSHCRDSPVQITIRKSCAPDCCQAKDQYIEQFKDTLTS VAKSIAGPFAEP IQGVNGVVQYPKGFLEKAPFLVRARGGVCIAN EVQTGPGRLGSHFWGFPQTHDVLDPITVMKGIQNGFFMAAVITT PEIAKSLAKLQHFNTFGGNPMACAIGSAVLEVLKKEENLQENSQ EVGTYMLLKFAKLRFDEFIIVGDVRGKGLMIGIEMVQDKISCRPL PREEVNQIHEDCKHMLLVGRGSIIFSQTFRAPSMCITKPEVDF AVKVFERSALTOHMERRAK
6877	1	778	GTSPSPARAYAPPTERKRFYQNVSIQEGGCFRINTDHRKLKTP QAKLFTVPSEALAIIVATEWDSQODTIKYTTMHLTTLCNTSLDN PTQRNKDQLIRAAVKFLDITICIRVEPETLVELQRNEWDPII EWAERKRYGVEISSSTSIMGPSIPAKTREVLVSHLASNTWALQG IEFVAAQLKSMVLTGLIDLRLTVEQAVLLSRLEEEYQIQKWGN IEWAHDYELQELRLARTAGTLFIHLCESTTVKHLKLE
6878	931	263	QTLQGDPKNRAEMIDFNIRIKNVTRSDAGKYRCEVSAPSEOGON LEEDTVTLEVLVAPVAPVSCVPSSALSCTVVELRCQDKEGNPAP EYTWFKDGRILLENPRLSQSTNSSTYMTNTKTGLQENTVSKLD TGEYSCEARNSVGVRRCRCPKRMQVDDLNSGIIAAVVVALVIS VCGLGVCYAQRKGYFSKETSFPQKSNSSSKATTMSENDFKHTKSF II
6879	3	845	IRVIGESDIMQKFLSESDENYNGVSDVELRVALPDGTTVTVRVK KNSTTDQVYQAIKAVGMDSTTVNYFALFEVISHSFVRKLAPNE FPHKLYIQNTYSAVPGTCLTIRKWLPTTEREILINDNDLAVTYP FHQAVDDVKKGYIKAEKSYQLQKLYEQRMVMYLNMLRTECEGY NEIIPPHCACDSRRKGHVITAIISITHFLHACTEEOLENGVIA FEWDEMQRWDTDEEGMAFCFEYARGEKKPRWVKIFTYPFNYMHE CFERVFCELKWRKEEY
6880	2110	1437	RKDNCTAKEWTFPEAKWNTTARVFSHIRLGMGHVLIIVQCFISS MANIYNEKILKEGNQLTESIFIQNSKLYFFGILFNGLTLGLQRS NRDIKNCGFFYGHRAFVSVALIFVTAFQGLSVAFILKFLDNMPH VLMQVTVIITTVSVLVDFRPSLEFFLEAPSVLLSIFIYNAS KPQVPEYAPRQERIRDLSGNLWERSSGDGEELERLTCPKSDSD EDTP
6881	2638	2244	NDSKWEIDHVTGALKMFFRELPEPLFTFNHFNDFVNAIKQEDR ORVAAVKDLIRQLPKPNQDTMQILFRHLRRLVIENGEKNRMITYQS IAVFGPTLLKPEKETGNIAVHTVYQNQIVELILLELSSIFGR
6882	1	850	GIPAEQLWIYPVKSCKGVVPSAECTAMGLRSGNLRRDFWLVIN QBCNMVTAQOEPRVLVLSLTCDGDTLTLAAYTKDLLLPKPTPT TNVHKCRVHGLEIEGRDCGEATAQWITSFLKSQPYRLVHFRPH MRPRRRHQIADLFRPKQIAYSODTSFPLILSEASLADLNSRLEK

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			KVKATNFRPNIVISGCDVYAEWSDELLIGDVELKRVMACSRCLTTVDPTGTGVMRSRKEPLETLKSYRQCDSERKLYGKSPLEGGQYFVLENPGTIKVGDPVYLLGQ
6883	2794	2256	NSKLKLNQNLKLFITLTQVLSLHWGPGIHLQKEGAPVPTQNRALQLLYDLRYLNIVLTAKGDEVKSGRSKPDRIEKTVDHLEALI DPFDLVFTPHLSNHLRLVQRTSVLFGVLVTGTENQLAPRSSTFNSQEPHNILPLASSQIRFGLPLSMTSTRKAKSTRNIETKAQYDANC
6884	2	99	EFERVTAEAVKPRETSEPRAAQRFCRKFPPL
6885	297	1554	STGQFWHTDLHLDPYTHITDDTKVCASSKGANASNPGPFQDVLCDSFYQLILSAFDIFKNSGQEA SFMIWTGDSPPHVPPELSTDVINVTNMTTTIQSLFPNLQVFPALGNHDYWPQDLSVVTSKVYNVANLWKPWLDEBAISTLRKGGFYSSQKVITNPNLRIISLNTNLYYGPNIIMTLNKTDPANQFEWLESTLNN SQONKEKYVIAHVFGYLPSSQNTIAMEYYNKLIDIFOKYSDVLAGQFYGHTRDSIMVLSDKKGSFVNSLFVAPAVTPVKS VLEKQTNPNPGIRLFQYDPRDYKLLDMLQYYLNLTEANLKGESIWKLEYILTQTYDIEDLPQESLYGLAKQFTILDSKQFIKYNYFFVSYDSSVTCDKTCKAFQICAIMNLDNISYADCLKQLYIKHNY
6886	2	1341	QCGGIPGREGGSSRPLEEGTSSPACVRGAAPGSEDAFYPTRAKQARVSQBLKKAARTVSI SEGPDTLGDMRERRETALAPPEPPELEKEACEKWKRPFRSASATSLTSLHCVDVVKGLLDFKKRGHSI GGAPQERYQIIPVCVAARLPTRAQDVLDHLSVNAVRFQPNSSLLATGGADRLIHLWNVVGSRLEANQTLEAGGSSITSVDPPSGYQVLAATYNQAAQLWKVGRAQSKETLSGHKKDVTAAKFKLTRHQA VTGSRDRTVKEWDLGRAYCSRTINVL SYCNDVVCGDHIIISGHN DQKIRFWSRGPCHCTQVIPVQGRVTSLSL9HDQLHLLSCSRDNTLKVIDLRSVNIQVFRADGFKCGSDWT KAVFSPDRSYALAGSCD GALYIWDVDTGKLESRLQGGPHCAAVNAVWCYSGSHMVSVDQGRKVVLMQ
6887	1047	116	WTARPSQKPFWRAGAVEGDPDLPSTGCSQAQLGGCCPRGWPQHG GQORAAQPTLPGRERGPPQSGPGLAAQTPTTSKQVANRAFLTG TYRSQSPRSPAGPFRGGTGWWEPAVCLCVAVGQRLSSPGLVYNASGSEHCYDIYRLYHSCADPTGCOTGPDARAWDYQACTEINLT FASNNVTDMPDLPPTDELQRQYCLDTWGVNPRPDWLLTSFWGGDLRAASNIIFSNGNLDPWAGGGRIRNLSASVIAVTIQGGAHLDLRASHPEDPASVVEARKLEATTIGEWVKAARREQQPALRGGPRLSL
6888	1	992	FVAYVKKRIPHIVVTHCLLNPHALVITKLTPTKLRDALFTVVRVIFIKGRAPNHLRQAFPEBIEYSVLLFHTEMRWLSRGQILTHIFEMYEEINQFLHHKSSNLVDGFENKBFKIHLYADLFKHLNE LSASMORTCMNTVSAREKLSAFVRKFPFWQKRIEKRNPFTNPFPIBRIIVSDNEGIFIAABITLHLQQLSNFFHGYFSIGDLNEASKWILDPFFLFNIDFVDDSYLMKNDLAE LRASGQILMEFETMKLEDFWC AQFTAFPNLAKTALEILMPFATTYLCRLGFSITPTFQNKVPRAALILSDDIRVAISKVPSFLGHH
6889	1	1534	LTLENQIKEREEDNSKSPNGRTSPLVSONNEQGSTLRDLITTTAGKL RVGSTDAGIAFAPVYMGAPSSKSGRTMPNILDIIASVV ENKIPPSKTSKINVKPELKEEPEESIISAVDENNKLYSDIPHSW ICEKHILWLKDYKNSSNNKLFKECWKQGPVAVSGVHKMNISLWKAESISLDPGDHQADLLNCKDSIISANVKEFWDGPEEVSRRQKNKSGETVVLKLDWPSGEDEFKTMMPARYEDLLKSLPLEYCNPEGKFN LASHLPGFVFPDLPRLCSAYGVVAAXDHIGITTNLHIKVS DVVNILVYVGIKNGILSKAGILKKFEEEDLDDILRKRLLKDSSEIPGALWHIYAGKDVDKIRBELQKISKQGLEVLPEHDPIRDQSWYVNNKLRQLLEBYGVRTWTLIQPLGDAI VLPAGALHQVQ

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			NPHSCIQVTEDFVSPEHLVESPHLTQELRLKREINYDDKLQVK NILYHAVKEMVRALKIHEDEVDMEEN
6890	3	667	THACGMWIPLYLHRLVVKHTAETCNPPCGAKDSLIFGATTCF TGFLGVDITGAGATRWCRKLTQADPLVCAVGLGSAIFICLIFV AAKSSIVGAYICIFVGETLLFSNWAITADILMYVVIPTRRATAV ALQSFTSHLLGDAGSPYLIGFISDLIRQSTKDSPLWEFLSLGYA LMLCPFVVVLGGMFPLATLAFVSDRARAEEQQVNQLAMPASVK V
6891	1980	1262	LRIHQELLSKELKLLRGITTESIIHIGLAAGKEQFMQDASNVMO LLLKTQSHLYNMEDNNPEVRQAAAYGLGVMAQPGDDYRSLCSE AVPLLVKVIKRAHSEKTKNVIATENCISAIGKILKPKPNCVND EVLPHWLSWLPHEKKEAIQTLSEFLCDLIESNHPVVIQPNNSN LPKIIISIIAEGKINETINYEDPCAKRLANVVRQVQTSSEDLWLEC VSLQDDEQQRALQELINFA
6892	3	876	RSVAAASGPGAWGTDHYCLELRRKRDYEGYLCSLLLPAESRSSV FALRAFNVLBAQVKDSVSEKTIGLMRMQFWKKTVEDITYCDNPPH QPVAIELWKAVKRHNITKRWLMKIVDEREKNLDDKAYRNKELE NYARNTQSSLLYLTLLEILQIKDLHADHAASHIGKAQGIPTCLRA TPYHSGRRKVFPLPMDCIMLHGVSQEDFLRRNQDKNVRDVIYDIA SQAHLHLKHARSFHKTVPVKAFFAFLQTVSLEDPLKKIQRVDFD IFHPSLQOKNTLLPLLYLIQSWRKTY
6893	1	842	DGERKMSVVERTFSEINKAEQYSLCOELCSELAQDLQKRLKRG RTVTIKLKNVNFVKTRASTVSSVVSABEIFAIAKELLKTEID ADFPPLRLRLMGVRISSFPNEEDRKHQQRSIIGFLQAGNQALS ATECTLEKTDKDKFVKPLEMSHKKSFFDKKRSERKNSHQDTFKC EAVNKQSFSQTSQPFQVLKKKKMNENLEISENSDDCQILTCPVCFR AQGCISLEALNKHVDECLDGPSTISENFKMFSCSHVSATKVNKKE NVPASSLCBKQDYEAH
6894	1742	1463	TTLCKPLVPREHFYETLPAEMRKFTPYQKGSQLEGLPHWRG DVRDRGHGRFPWQSLEPSLPPTLCFPLSSFSWPSAQHLTPS VFNPW
6895	2379	478	VTVRLCDLASPTALIMRTVLDLIVEDLQSTSEDEKQYTSOT TRLALLYLALASHACKLAAILHLNGTIKGDERYAETPDLLAL VRSPGDSVIRQQCQVEYVTSILQSLCDQDIALILPSSSEGSISEL EQLSNLPLNKLMTSICDCLLATLANSESSYNCLLTCVRTMMFL AEHDYGLPHLKSLLRNSSALHSLKRVVSTFSDTGELASSFL EFMRQILNSDTIGCCGDDNGLMEVEGAHTSRMTSINAELKQLL QSKESPENLFTLEKLVLHESKDDDNLDLSLDSVVGLKQMLE SGDPLPLSDQDVEPVLAPESLQNLFNNTAYVLADVMODQLKS MWFTFPQAREIDTDLVVKVDLIELSEKCCSDFDLHSELESL SEPPSSPGRTKTKGFKLGKHKHETFITSSGKSEYIEPAKRAHV PPPRGRGRGGFGQIRPHDIYRQRKQNTSRPPSMHVDDFVAES KEVVPQDGIPPPKRPLKVSQKISSRGGFSGNRGGRGAFHSQNR FTPPASKGNYSRREGTRGSSWSAQNTPRGNYNESRGGQSNFNRG PLPPLRPLSSTGYRPSRDRASRGGRGLGPSWASANSQSGGSRG KFPVSGSGRGRHVSFTR
6896	1	555	GNIVIQKKKYNQHIIPLENVTIDSIDEGDLRNGWLIKPTKBS FAVYAATATEKSEWMWINKCVTDLLSKSGKTPSNEHAAVWVPD SEATVCMRCQAKFTPVNRRHCRKCGFVVCGPCSEKRPILLPSQ SSKPVRICDFCYDLLSAGDMATCQPARSDSYSQSLKSPINDMSD DDDDDDSSD
6897	3	920	GDGLMHEVVNGLMERPDWETAIQKPLCSLPAGSGNALAASLNHY AGYEQVTNEDLLTNCTLLCRLLSPMNLISLHTASGLRLPSVL SLAWGFADVDLESEKYRRIEMERFTLTGTLRLAALRTYRGR YLPVGRVGSKTPASPVVQQGPVDAHLVPLEEPVPSHWTVPVDE DFVLVLALLHSHLGSEMFAPMGRCAAGVMHLFYVRAGYSRAML

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			LRLFLAMBRGRHMEYECPLYVYVVAFRLEPKDGRGVFAVDGE LMVSEAVQGVHPNYFWMVSGCPEPPPSWKPOQMPPPEPL
6898	919	346	QKTVTAVASLLKGRQGIYTENERRMGAIVKIRPFKIMLVLTICW LSNI LNESLLFYLMQTDINGGSLKPVRTAAKTWFMIGILNPA QGFLLSLAFYGVGTGCSLGFQSPRKEIQWESLTTSAEGAHPSP MPHENPASGKVSQVGGQTSDEALSMLESGSDASTIBHTASESC NNNEGDPALPTHDDL
6899	120	827	MKVRKNNDAYLLDKNKINMDCTISCPEKMLTLMFSGHSLLSL LEHGEYTFSLPCAYARSILTVFWVLEGGKVSVCNCAKTGYSASI TFHTKPFYGGKLRVTAEVKHNI TNFVVCRVQGEWNSVLEFTYS NGETKYVDLTCLAVTKKVRPLEKQDPFESRRLWKVNTDSLRES EIDKATEKHHTLEERQRTERHRTETGTPWKTYFKKEGSGWVY HKPLWKIIPPTQAE
6900	3	451	TEVLGSKGIHELRSSTSLHHALESASLLTMFWRAALPSTHIP VLPGKVGESTERELLELRKTVSQEQQLQSTTEHLKMANQKES MEQFIVSQLTRTHDVLKARTNLKVRKLLHQSEAPSLSPTHHHP LADLVGDSWPAIRFOEK
6901	1	201	DNNMVQRLETFDKMTLQQQSTLEQWAAWLDNVMMQALKPYEGRP SPPKAARQFLKNSPYRYHLGPS
6902	2	267	GAPPPFPSPPPRQPPQAAPSSPHSOLTFNPSSALEGQAQGA SDMPBPSLDLLPELTNPDELLSYLOPDLPSNNDLLSLFENN
6903	1	149	RINOVYRQGTGIIHLVIDQMVNQFQDESCFLPSTVKAESSDCI HILK
6904	464	2092	MEASLPVSLSCVLACGDVEGKFDILFNVRVQAIQKKGCPDILL VGNFFGSTQDAEWEZEKTKIKKAPIQTYVLGANNQETVKYFQDA DGCELAENITYLGRKGIFTGSSGLQIVYLSGTESINEPVPGYSF SPKDVSSLRMLCTTSQFKGVJLLTSPWPKCVGNFGNSSGEVD TKKCGSALVSSLATGLKPRYHFAALEKTYERLFPYRNHIIQEN AQHATRFIALANVGNPEKKKLYAFSIVPMKIMDAELVKQPPD VTENPYRKSGQBASIGKQILAPVEESACQFFFDLNEKQGRKRS TGRDSKSSPHKQPRKPPQPGPCWFLASPEVEKHLVNVNIGTH CYLALAKGLSDDHVLLPIGHYQSVVELSAEVEVEVEKYKATL RRFFKSRGKWCVVFFERNYKSHHLQLQVIVPVTISCSTTDDIKDAF ITQAQEQQIELLEIPEHSDIKQIAQPGAAYFYVELDTGERLPHR IKKNFPLQGREVLASEAILNVDPKSDWRQCQISKDEETLARR FRKDFEPTDFTLDD
6905	1	226	VSKTGRAETITSHYLFALGVYRTLYLFNNIWRVHFEGFFDLIAI VAGLVQTVLYCDEFFLYITKVLKGGKLSLPA
6906	3	611	SYDDHNGHIDFITASNLRKMYSLPADRFKTRIAKTIIPAI ATTTATVSGLVALEMIKVTGGYPFRAYKNWFLNLAIPIVVFTET TEVRKTKIRNGISFTIWRWTVHGKEDFTLLDFINAVKERYGIE PTWVVGVIKMLYVPMFGHAKRLKLTMHKLKVPTEKKYVOLT VSPAPDIDGEDLPGPVRYFVSHDT
6907	2	2228	LRGVVWAAAGAFRFSSEESTSHLIMSRRLTRYSGGDDGGS SSSGSSVAGSQSTLFDKSPILTLKRKSSNMKRLSPAPQLGPSS DAHTSYSESIVHESWFFPRSSLEELHGDANWGEDLRVRRRGT GGSESSRASGLVGRKATEDFLGSSSGYSEDDYVGYSDVDQSS SSRLRSVSRAGSLLHMMVATSPGRLEFRLLYWNAGTTWYRLTAA SLLDVFLTRFSSSLKTFWFLPLLLTCLTYGAWYFYPYGLQ TFHPALVSWAAKDSRRADGWEARDSSPHQAEQVRMSRVHSL ERRLEALAAEFSSNWQKAMRLRLRLRQGAPQGGGGGLSHED TLALLEGLVSRREALKEDFRRETAARIQEELSALRAEHQDSE DLFKKIVRASQSEARIQQLKSEWQSMQESQESSVKELRLLE DQLAGLQQELALALQSSVABEVGLLPQIQAVRDDVESQFFPA WISQFLARGGGGRVGLLQREEMQAQLRELESKILTHVAEMQGKS

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			AREAAASLSLTQKEGVIGVIREQVHHIVKQALQRYSEDRIGLA DYALESGGASVISTRSETYETKTALLSLFGIPLWYHSQSPRVI LQPDVHPCNCWAFQGGQGFVAVRLSARIRPTAVTLEHVPKALSP NSTISSAPKDPFIFGDFEDLQEGTLLGKFTYDQDGBPIOTPHF QAPTMATYQVVELRLILTNWGHPEYTCIYRFRVHGEPAH
6908	3	780	QVPSAAWLMVAVCGLSRLGLSRLGLQGCFAARLLYPRFQSRG PQGVEDGDRPQSSKTPRIPIKITYKTGDKGFSSTFTGRRRPKDD QVFEAVGTDELSSAIGFALELVTEKGTFAELQKIQCTLQDV GSALATPCSSAREAHLYTTFKAGPILELBQWIDKYTSQLPPLT AFILPSGGKISSALHFCRAVCRRAERRVPLVQMGETDANVAKF LWRLSDYLFTLARYAAMKEGNQEKIYKNDPSAESSEGL
6909	3	409	GRLLAVGTDLYGQRSSAPQELLVQDATPVSNLLPEKAFSDIP SPYLRTGIKMMQAVRQAFQDQDDRTWDGRPLTMAATFDDCLYA LCVVDITIKRSSQTGEWQNTAIMTEEPKSPAYLISRAMRRSRMS LYC
6910	1	1068	LVPVVVIDSYYYGKLVIAPLNIVLYNIFTPHCPDLYGTEPWYFY LINGFLNENFVAFALALLVLPLTSLMEYLLQRFHVQNLGHPYWL LAPMYIWFIPPIQPHKEERFLFEVYPLICLGAVALSALQHSF LYPQKCYHFVPQRYRLEHYTTSNNLALGTVFLPGLLSFSRSVA LFRGYHGLDLYPEFYRIATDPTIHTVPEGRPVNVCGKWKYRF PSSFLPDNWLQFIPSEPRGQLPKPFAEGPLATRIPTDMNDQ NLEEPSRYIDISKCHYLVDLDTMRETPREPKYSSNKEWISLAY RPFLLASRSSKLLRAFVYVPLSDQYTVVNYTILKPRKAKQIRK KSGG
6911	1184	966	GEDAEEMETGNVANLISIPGSSSFSOLLRKSPGGREEEEGEESG PEAAEPGQICCDKPVLRDMNFWSTAI VAF
6912	1	844	AMKPVETHSFQMLFTLSTGSALKAQSYEDAYRCIKSSILGSI SGGTDIISCFMGNHNSLPVYKGEIQARNIGMAVRAWNEEGKAVW GESGELVCTKPIPCQPTHFWDENGKRYKAYPSKFPGIWAHGD YCRINPKTGGIVMLGRSDGTINPNGVRFGSSEIYNTIVESFEEVE DSLCPVQYKRYREERVILFLKMASGHAFQPDLVKRIKIRDAIRMOL SARHVPSSLILETKGIPYTLNGKRVAVKQI IAKAVEQGGAFS NPETLDLYRDIPELQGF
6913	1643	1558	KKSHEESHKEELSYGAQASLPLPCSDPR
6914	1251	615	ELAAECKSAGYPGTLIPYRCILSNEEDILSMFSAIRSOHSGVDI CINNAGLARPDTLGSGSTSGWKDMFNVNVLALSICTREAYQSMK ERNVDDGHIININSMGHRVLPVSVTHFYSATKYAVTALTEGLR QELRBAQTHIRATCISPGVVETQFAPKLHDKDPEKAAATYEQMK CLKPEDVAEAVIYVLSTPAHIQIGDIQMRPTEQVT
6915	254	652	GRSLSFKTFLIWVLISITYQGGILMYGALVLFSEFVHVVAISFT ALILTELLMVALTVRTWHNLMVVAEFLSLGCVSSLAFLNEYFD VAFITTVTFELWKVSAITVVSCLPLYVLKYLRRKLSPPSYCKLAS
6916	254	652	GRSLSFKTFLIWVLISITYQGGILMYGALVLFSEFVHVVAISFT ALILTELLMVALTVRTWHNLMVVAEFLSLGCVSSLAFLNEYFD VAFITTVTFELWKVSAITVVSCLPLYVLKYLRRKLSPPSYCKLAS
6917	254	652	GRSLSFKTFLIWVLISITYQGGILMYGALVLFSEFVHVVAISFT ALILTELLMVALTVRTWHNLMVVAEFLSLGCVSSLAFLNEYFD VAFITTVTFELWKVSAITVVSCLPLYVLKYLRRKLSPPSYCKLAS
6918	28	921	PEAGTRSWREPDPEDLRRFLLSAACRSFPQWLPGGGGQVSSCS DTDVPYLLAVKSEPGRFAERQAVRETWGSAPGIRLLFLGSP VGRAGPDLDLVLAVESRRYSDDLWDPLDVPFNQTLKDLLLAW LGRHCPTVSFVLRAQDDAFVHTFALLAHLRALPPASARSYLGE VFTQAMPLRKPGGPFYVPSFFEGGYPAYASGGGYVIAGRLAPW LLRAAARVAPFFFDVYTGLCIRALGLVPOAHFGFLTAMPADRT ADHCAFRNLLVRLPGQASIRLWKQLQDPRLQC

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6919	850	41	QGRRELSGSVFCFFIQQEPKEMLTLSHYHRRVRSQGGQQLQQLQA ELDKLHKEVSTVRAANSERVAKLVFQRLNEDFVRKPDYALSSVG ASIDLQKTSHDYADRNTAYFWNRPSFWNYARPPPTVILBPHVFP NCWAFEGDQGVVQLPGRVQLSDITLQHPPPSVEHTGGANSAP RDFAVFFLLSPFTHQGLQVYDETVSLGKFTFDVEKSEIQTFHL QNDPPAAPPKVKIQILSNWGHPRFTCLYRVRAHGVRTSEGABGS AQGPH
6920	1418	591	EAQGSPSKVHLTLKKKK
6921	2	1711	MNATRSEEQFHVINHAEQTLRKMEYLYLKEKQLCDVLLIAGHLRI PAHRLVLSAVSDYFAAMFTNDVLEAKQKEVRMEGVDPNALNSLV QYAYTGLVLKEDTIESLLAAACLLQLTQVIDVCSNFIKQLHP SNCLGIRSPGDAQGCTELLNVAKYTMHEHFIEVIKNOBFLLEA NEISKLLCSDDDINVPDEETIFHALMQWVGHVQNRQGBGLMLLS YIRLPILPPQLLADLETSSMETGDLECCQLLMEAMKYHLLPERR SMMQSPRTKPRKSTVGALYAVGGMDAMKGTITIEKYDLRTNSWL HIGTMNGRRLQGVAVIDNKLYVVGGRDGLKTLNTVRCFNPVGK IWTVMPPMSTHRLGLGVATLEGPMYAVGGHDCWSYLNTERWDP EGROWNYVASMSTPRSTVGVALNNKLYAIGGRDGSSCLKSMBY FDPHTNKLWLCAPMSKRRGGVGVATYNGFLYVVGGHDPASNHC SRLSDCVRRYDPKGDSTVAPLSVPRDAVAVCPGLDKLYVVG YDGHYTLNTVESYDAQRNEWKEVPVFNIGRAGACVVVKLP
6922	1075	369	LTPFAGIRHEVRDRERERERERERERERERERERERERERERER GLPPAMQKVMYKGLAPEDKTLREIKVTSKAKIMGGSTINDVLA VNTPKDAAQDQAKABENKKEPLCRQKQHRKVLDKGKPBDMVPSV KGAQERLPTVPLSGMYNKSCKVRLTFKLEQDQLWIGTKERTK LPMGSIKNVSEPIEGHEDYHMMAPQLOPTBASYYNVVNVPTQY VDAIKDTVLQKWYF
6923	2469	1660	LGLFCILPIDTLCAVLERDTLSIRESRLFGAVVRNARAEQCRQO LPVTFGNKQKVLGKALSILIRFPLMTIEBFAAGPAQSGILSDREV VNLFLHFTVNPKEPRVEYIDRPRCLRGKECCINRFQQVRSRWGY SGTSDRIRPTVNRISIVGFLYGSIHGPTDYQVNIQIIEYEKK QTLGQNDTGFSCDGTANTFRVMFKEPIBILPNVCTACATLKGP DSHYGTGLKLVVHETPAASKTVFFPSSPGNNNGTSIEDGQIP EIIFFY
6924	2210	1235	PEERVICFVHYLTAFHEGRKGALAKKFPNPIIGETFHCSWEVP KDRVKPKRTASRSPASCHEHPMADDPSSKSYKLRPVAEQVSHHP ISCFYCECEKRLCVNTHVWTKSKFMGMSVGVSMICEGVRLRLLE HGEYVFTLPSAYARSILTI PWELGGKVSINCAKTGYSATVIF HTKPFYGGKVHRVTARVKNPNTIVCKAHGEWNGTLEPTYNNG ETKVIDTTLFVYPKIRPLEKQGPMEGRNLWREVTTRYRLGDI DAATEQKRHLEBKQVRERKRENLRTPWKPKYFIQEGDGSILQ SPLESTLMGLEVQSFPV
6925	2	1653	RGAAGAAMEPDSVIEDKTIELMCSVPRSLWLGCANLVESMCAL SCLQSMPSVRCLQISNGTSSVIVSRKRPSEGNVQKEKOLCIKYF DQWSESDQVEFVEHLISRMCHYQHGHIINSYLKPMQLQDFITALP EQGLDHAENILSYLDARSLCAELVCKEWRVISEGMLWKKLI ERMVRTDPLWKLSERRGWDQYLFKNRPTDGPNSFYRSIYPKI IQDIETIESNWRCSRHLQRIQCRSENSKGVYCLQYDDEKIIISG LRDNSIKINDKTSLECLKVLTGHTGSVLCLOYDERVITVGTSSDS TVRVVDVNTGEVLNLTLLHHNEAVLHLRFSNGLMVTCSKDRSIAV WDMASATDITLRRVLVGHRAAVNVVDFDDKYIVSASGDRTIKVV STSTCEFFVRLNGHKGRIACLQYRDLVVGSSDNTIRLWDIEC GACLRVLEGHERLVRCIRFDNKRIVSGAYDGKIKVWDLQAALDP RAPASTLCRLTLVHSGRVFRLQDFEQIISSSHDTTILWDFL NVPPSAQNETRSPSRITYTISR
6926	1	733	SGRVAMDGLGLQFFEQGFPAGPPLPPHMGGHYRDCQSLGAPPL

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			DGYPLPTDTSPLDGVDPDAFFAAMPDGDCAAGTYSYAQVSD YAGPPEPPAGPMHPRGPKPAGPSIPGGLAPPALHVVYAGMGS PGAGGGRGFQMOPQHQQHQQHHPGPGQPTPPPEALPCRDGT DPSQPAELLGEVDRTFEQYLHFVCKPEMGLPYQGHDSGVNLPD SHGAISSVVSDASSAVVYCNYPDV
6927	2	1484	LTLCGDIQLMLAQNANNRAAHLEEFHYQTKEDQETILSLHRESS CQGFATWATDLSTDLQSLSVCKCYEAANEILQFRDLKSNPKH YVQVLKRMGNIRNIGVFFYMNQAAALQSERIVSKSVSAEQQLW KKSFSCEFEGIHNFESIEDATNAALLCNTGRLMRICAOAHCGA GDELKREFSPEBGLYNNKAIDYLLKALRSIGTRDIHPAVVDSVN WELSTTYFTMATLQODYAPLSRKAQEQIEKVESEAMKSLKYCD VDSVSARQPLCQYRAATIHRLASMYHSLRNQVGDHRLKQHR VLADLHYSKAAKLFQLLKADPCELLRVQLERVAFAEFQMTSQNS NVGKLKTLGALDIMVTEHAFQLIQKELIEFGQPKSGDAAA ADASPSLNREVMKLLSIFESRLSFLLLQSIKLLSSTKKKTSNN TRDDTLTKNKHIYSQLLRATANKTATLLERINVIHLLGQLAA GSAASSNAVQ
6928	1086	777	EAIDLINLLQVKMRKRYSDKTLSHPNLQDYQTWLDLRELECK IGERYITHESDDLWEKYAGEQGLQYPHILNPSASHSDTPETE ETEMKALGERVSIL
6929	1749	607	RDQGRYRDRSPAREPGDVSA RTSGGGGGRSATTAMPFPVNG NLHQDPQDLRHNGNVVAGRPSCSRGPRAIQKQPPAGRRSG RGPAGGLCLQPPDGGTCVPEEPVPPMDWEALEKHLAGLQFRE QEVNRQGOARTNSTSAQKNERESIRQLALGSFFDDGPGIYTSC SKSGKPSLSRLQSGMNLQICFVNDSGSDKSDADDSKTETSLD TPLSPMSKQSSSYSDRDTTEESSESLDDMDFLTRQKQLQAEAKM ALAMAKPMAMQVEVEKQNRKSPVADLLPHMPHISECLMKRSL KPTDLRDMTIGQLQVIVNDLHSQTESLNEELVQLLLIRDELHTE QDAMLVDIEDLTRHAESQKKHMAEKMPAK
6930	131	545	PKDTANVFVSLFQMRNFRHYFIEPSQLKLFYDVTWIVTQVAI SYTVVPVLLSIKPSLTFYSSWYICLHILGILVLLLPVKKTQR RKNTHENIQLSQSKKFDGENSLQNSFSTNNVCNQNQELASR HSSLKQ
6931	2	659	PVERLENRPACLLVASGAAGVSAQSPHLCFTMASTAFNLQVAT PGGKAMEFVDVETESNARWQDFRLKAYASPAKLESIDGARYHAL LIPSCPGALTDLASSGSLARILQHPHSESKPICAVGHGVAALCC ATNEDRSWVFDYSYSLTGPSVCELVRA PGFARLPLVVEDFVKDSG ACFSASRPDAHVVLDRHLVTGQNASTVPAVQNLFLCGSRK
6932	2	1131	FVDSFGQGEQAEIEEGGIQMNRMRAHSPAGASVESSSPGPKK SDMCBGRSLAAGHPGYISHDKETSIKYVSHQHPSPQLFSIVR QACVRLSCEVCPGREGPIFFGDEQHGPFVFSHTFFIKDSLARGF QRWYSIITIMMDRIYLINSWPFLGKVRGIIIDELQKALKVFEA EQFGCPQRAQRMTAFTPFILHQFNAGNAARSLTSLTSDNLWACL HTSFAWLKACGSRLTEKLEGAFTEDTLVQMEKLADLEESSES WDNSEAREEEKAPVLPSTEBGRELTOGPAESSSLSGCGSWQPRK LPVFKSLRHMQRVGGRGTAHHHLRRRANHGLCLPTRIASGPSTL KTLQEVTDLSLLGGWLMAGVGGII
6933	1431	890	SLNLHCTLP PPPHQYPAGYPSDKGKKPKGQSKKQPSGTTKRPI SDDDCPSASKVYKASDSAAIEAFOLTPOQQHLIREDCQNKILW DEVLSHLVEGPNFLKKLEQSFMCVCCQELVYQVTTTECFHNVCK DCLQRSFKAQVFSCPACRHDLGQNYIMIPNEILQTLLEDLPFPGY SKGR
6934	3030	2588	DRHSQCGGIRVALARVSSVKLISKAKIRTVKMTPIIVLAFIV CWTFFFFVQMWVWDANAPKEASAPIVMLLASINSCCNPWIM LFTGHLFHELVRPLCCSASYLKGRRLGETSASKKSNSSSFVLS HRSSSQSCSQPSTA

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6935	886	543	NSALYVAGGNDGTSCINSVRYSPKAGAWESVAPMNIRRSTHDL VAMDGWLYAVGENDGSSSLNSIEKYNPRTNGVVAASCMFTRRSS VGVAVLELINFPSPSSPTLSVSSTSL
6936	1347	567	RSHRRQFLSRALLEPFGKSHPPPHRLFRKSLNVGLHYSHIPFLT TCLHFLRKRLQKGEVGLSVETSKPQVPEVGGLSRKQVQEPWATV MEKRLQEAQLYKEEGNQRYREGKYRDAVSRYHRALLQLRGLDPS LPSPLPNLGPQPALTPQENILHTTQTDCCYNLAACLLQMEPV NYERVREYSQKVLBRQPDNAKALYRAGVAFPHLQDYDQARHYLL AAVNROPKDANVRRYLQLTQSELSSYHRKEKQLYLGMFG
6937	1	727	AVEFRCCPGRPDPACFARGWRLDRVYGTCCDQACRFTGDCCFDY DRACPARPCFVGEWSPWSGCADQCKPTTRVRRRSVQQEPQNGGA PCPPLERAGCLEYSTPQQDCGHTYVPAPITTSAPNKRTRQA TSPHWSHTHTDAGYCMFKTESLTTPHCALENRPLTRNMQYLREG YTVCDQCQPPAMNSVSLRCSGDGLSDGNQTLHWQAIGNPRCQG TWKKVRRVDQCSCPAVHSFIFI
6938	3	719	NSRKLELAERVDTFMQLKKRRQSSEKENDSGTLDTVGAVVVDH EGNVAAAVSSGGLALKHPGRVGAALYGCCHAEANTGAHNPYST AVSTSGCGEHLVRTILARECSHALQAEDAHQALLETMONKPISS PFLASEDGLVGGVIVLRSCSAEPDSSQNKQTLLEFLMSHTT RSMCVGYSQAQDGKAKTHISRLPPGAVAGQSVAIEGGVCRIGRP SELTQAECEASQRHFT
6939	3	810	KVTAPRRPORYSSGHGSDNSSLVSGLEFPAMGRALTALFHSGSS GYESLRDSEATGSASSAPDSMSSEGAASPGARTSLKSPKKRA TGLQRRRLIPAPLPDITLGRKPSLPGQWDLPPPLAGSLKEPP RIKVYRIDDVERLQRPPTPREAPTQGLACVSTRILAEERROQR LREVQAQKHKLCELAETQGRMLLEPGRWLEQFEVDPELEPESA EYLAALBRATAALEQCVNLCKAHVMVTCFDISVAASAAIPGPQ EVDV
6940	1188	496	GKMAAQLRHRSRCATPPRGDFCGGTERAIDQASFTTSMENDTQ VVGSSPLPGFAGLGAEEPAAGPQLPSWLQPERCAVFCQAQCHAV LADSVHLANDLSRSLGAVVFSRVTNVVLRAFLVGLIEGSLKGS TYNLLFCGSCGIPVGFHLYSTHAALALRGHFCCLSSDKMVCYLL KTKAIVNASEMDIQNVPLSEKIAELKEKIVLTHNRLKSLMKILS EVTTPDQSKPEN
6941	1	713	SLSRADSDPHGPHTCGHVLNVIIGSNVLALAEARQARALGYQA VVLAAAMQGDVKSMAQFYGLLAHVARTLTPSMAGASVERDAQ HELAELQIPDLQLEBALETMAWGRGPVCLLAGGEPTVQLQSSG RGGRNQELALRVGAELRRNPLGPIIDVLFSLGGTDGQDGPTEAAG AWVTPELASQAAAEGLDIATFLAHNDSHTFCCCLQGGAHLLHTG MTGTNVMDTHLLFLRPR
6942	1	246	GDYVERYDPKTDITWAGAPLSMPTNAVGGCLIGDRLYADGGYDG QTYLNTMESYDPQTNNEWQMASLNIQRAGACVVVIKQP
6943	1	739	PMATGDGAKTLAIHVKALTADSIKITWKATLPASSFRLSWRLRG HSPAGGSITETLVQGBKTEYLLTALEPKPTYIICMVTMETTNAY VADETPVCAKAETADSYGPTTLNQBNAGPMASLPLAGIIGGA VALVFLFLVLGAICWYVHQAGELLTRERAYNRGSRKKODYMESG TKKDNSILEIRCPGLQMLPINPYRAKEEYVHTIIPPSNGSSLCK ATHTIGYGTTRGYRDGGLPIDIDYSY
6944	960	156	VANILINGVKYESBLTGSSERAEQPLSVGRLCSTICNMPKALRT LCVNHFLGWLSEFGMLLFYTDPMGEVVFQGDPAKAPHTSEAYQKY NSGVIMGCWGMCIYAFSAAFYSAILEKLEEFSLVRTLFIAYLA FGLGTGLATLSENLYVVLISLCITYGILFSTLCTLPYSLLCDYYQ SKKPAAGSSADGTRRCMGVDISLSCQYFLAQILVSLVLGPLTSA VGSANGVMYFSSLSVFLGCLYSSLFVIVETPPSDAADEHRPPLL LNV

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6945	2067	179	EGEDRGLPRTMGAALGTGTRLAPWPGRACGALPRWTPPTAPAQGC HSKPGPARPVPLKKRGYDVTNRPHLNKGMFTLKERLQLGIHGL IPPCLFSQDVQLLRIMRYRBRQSDLDKYIILMTLQDRNEKLFY RVLTSDVEKPMPIVYTPTVGLACQHYGLTFRPRGLFITINDRG HLATMLNSWPEDNIKAVVVTDERILGLGDLGCGYGMGIPVGLA LYTACGGVNPQQCLVLLDVGTTNNEELLRDPLYIGLKHQRVHGK AYDDLLEDFMQAVTDKFGINCLIQFEDPANANAPRLNKNYRKY CMFNDDIQGTASVAVAGILAAALRITKNKLSNHVFGFGAGEAM G\IAHLVMALE\KEGVPKA\BATRKIW\MVDF\KGLIVQGRDH LNHEKEMFAQD\HPEVNSLEEVRLVKPTAIGVAAIAEA\FTB QILRDMASPHERP\IIFALSNTSKACCTA\EKCYRVTEGPRGF FAS\GSPF*GVLIWEMGKTFIPGGRGNNA*RVPRGWLGVHSPG GDGPHIP\DEIFLPSRAKLPOEVSEQLHSQGRLYP\PLST\IR NVFLRIAIVFD*GYKHNLV\SYTPEPKD\KRAFCKIPGSYTPD YDSFYT/VDSYIWAQGGKAMNVQTV
6946	133	2551	SCYSGITVAFGDPCEGVVAHLAPSMASDTPESLMALCTDFCLR NLDTGLGYLLDKETLRHPDIFLPSXI\CDRLVNEYVELVNAAC NF\EPHE\SPFNPLFRDPRKQPASRRRIHL\RED\LVQD\QD\LE AIRKQDL\VEL\VLTN\CEKLSAKSLQTLRSFSHTLGVP*AFPG C\TNILLRKNPGL/CEDEYLFNPTCQVLVKDPTFEGFSRLR P\LLGRMIDWVPVES\LLRPLNSLAALDLSGIQTSDA\PLTQ WKDSL\VSLVL\VNMLSDDIIR\VTIQLHKLRLHLDISDRLS YYKFKLTREVLSEFVQKLGNLMSLDISG\HMLENCSSISKIGR EAGQTSI\EPK\SSIIIPFGFGGGLPQ\LGVP*GIFCGRLLTH IPAYKVGSKNEEQVINAIEAYTEHRPEITSRAINLLPDIAIE RCNQLLRALKLVI TALKCHKYDRNIQVTSAAALFYLTNSEYRSE QSVKLRQVIQVVLNGMESYQEVTVQRNCCLTLCNFSIPEELEF QYRRVNELLSILNPTRODES IQRIAVHLCNALVCQVNDHKEA VGKMGFVVTMLKLTQKKLLDKTCQVMEFSW\SALWNITDETPD NCEMFLNFNGMKLPLDCINBEPKQELHRNMLGLLGNVAEVKEL RPQLMTSQFISVFSNLLSKADGIEVSYNACGVLSHIMFDGPEA NGVCEPQREVEERMMAAIQSWDINSRRNINYSFEPILRLLEPQ GISPVSQHWATWALYNLVSVYPDKYCPLLIKEGGMPLLRDIKIM ATARQETKEMARKVIEHCNPFKEKNMDTSR
6947	2	1682	TSYSTIPGLASARPQSESWRCCPVWRRSPGRARGGLKMLNVP SQSFPAPRSQQRVASGGRSKVPLKQGRSLMDWIRLTKSGKDLTG LKGRLEIVTEBELKKNKDDCWICIRGFVYNVSPYMEYHPGGE DELMRAAGSDGTBLFDQVHRWVNYESMLKECLVGRMAIKPAVLK DYRBEKKVLNGMLPKSQVTDTLAKEGPSYPSYDFQTDLSLVTI /EHIY*TEGYQFRLNNS*SSE*FLYSRNNY*GLLISYTYW/R*A MRFRKIFLGL/CESVGKIEIVLQKKENTSWDFLGHPLKNHNSL IPRKDTGLYRKQQLISKEDVTHDTRLFCIMLPPSTHLQVPIGQ HVYLKLPITGTETIVKPYTPVSGSLSEFKPVLNPNKYIYFLIK IYPTGLPTPELDRIQIGDFVSVSSPEGNFKISKPQELDLFLA AGTGFTPMVKILNYALTDIPSLRKVKLMFFNKTEDDIWRSQLE KLAPKDKRLDVEFVLSAPISEWNGKQGHISPALESFLKRNLDK SKVLVCICGPVPFTEQGVRLHDLNFSKNEIHSFTA
6948	104	58	PDGAHSFPPEYFTCSSLCLSCGVGCKKSMNHGKEGVPHAKSR CRYSHQYDNRVYTCKACYERGEVSVVPKTSASTDSPWMOLAKY AWSGYVIECPNCGVYRSRQYWFQNDPVDTVVRTEIVHWVPGT DGFLKONNNAQRLLDGMNFMAQSVSELSLGPTKAVTSHLTDQI APAYWRPNSQILSCNKCATSFKDNDTKHHCACGEGFCDCSSSK TRPVPERGWGPAPVRVCDNCYEAR/TRPVSCYRGTSGR*RRRRT QETVE
6949	152	4656	GLRLCLSRPLTRFGDDSVGGSAMASGAGGVGGGGGKIRTRCH QGPIKPYQQGRQOQHGILSRVTESVKNIVPGWLQRYFNKNEEDVC

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			<p>SCSTDTSEVPRWPFENKEDHLVYADESSNITDGRITPEPAVSNT REPSTTSTAST\YPDVLTRVSLYRSHLNFMSLESPALHCQPST SAPPIGSSGFSLVKEIKOSTSQHDDNISTTSGFSSRASDKDIT VSKNTSLPPLWSPEARRSHLSQHTATSSKCPAFNLAPGTLSP SLGNSILKTSQIGDSPFPYPGKTTYGCAAAVRSKLRNTPYQA PVRQMKAKQLSAQSYGVTSSTARRILQSLKMSPLADAKRIP SIVSSPLNSPLDRSGIDITDPAKREKVDGQYPPVQRLMTPKPV SIATNRSVYPKPSLTSPSGEFRKTNQRIKRCSTGYEKNMTPGQN REQRESGFSYPNFSPLPAANGLSSGVGGGGKMRERRHAFVASKP LEEBEMEGFVLPKISLPITSSSLPTFNFSPEITTSPPINSS QALTNKVMQTSPTSSTGSPMKFSSPIVKSTRANVLPPSSICGTF SVPVAKTARLSGSSSTLEPIISSAHHVITVNSTNCKKTPPEDC BGFPRPABILKEGSSVLDILKSPGFASPKIDSVAAQPTATSPVVY TRPAISSFSSSGIGFESLKAGSSWQCDTCLLQNKVTDNKCICAC QAAKLSPRDTAKQTG IETPNKSGKTTLSASGTGFGDKFKFVIGT WDCDTCLVQNKPEAIKCVACKTPKPGTCVKRALTLTVVSESAET MTASSSSCTVTTGTLGFGDKFKRP IGSNECSVCCVSNNAEDNKC VSCMEKPGSSVPTSSSSVVPVSLPSSGLGLEKFKKPGIWD ELCLVQNKADSTKCLACTSAKDGTKSGFKGFDTSSSSSNSAASS SPKFGVSSSSSGPSQTLTSTGNFKPGDQGGFKIGVSSDSGYINP MSEGPF*FSKHIVGFKPGVSSSEKPEEVKDKSKNDNPKFGLSPGL SNFVFLTPPQPGVSNLQGEKKRELKSSCAGFRPGTGVINSTR VPANTIVTSENKSSFNLT IETKSVSVAPLKQCTSEAKKEEMPA TKGGFSFGNVEFASLPSASVFLGRTEEKQEBVTTSTSLVFGEG KLIMKEPKC\QPVFSFGFQRQTKDENSSKSTPSFSMTKPSKE SEQPAKATFAFGAQTNTTADQGAAPDLSYLNSSSSSTPAT AGGG\IFGSSTSSSNPPVATFVFGQSSNPGSSS\AFGNTAESST SQSLLESQDSKLATTSSTGTAVTPFVFGPGASNNTTTSGFGFG ATTTSSAGSSFVFGTGPASAPAFGANQTPTFGQSQGASQP NPPGFGSISSTALFPTGQAPPTFTGTSSSSQPPVFGQPSQ SARGSGTTPNSSSAFQFGSSTTNFNTNNSPSGVFTFGANSSPT AASAQPSGSGGFPFNQSPAFTVGSNGKVPFSSSGTSFSGRKIK TAVRRRK</p>
6950	2585	411	<p>PRPGSRSGLCRRAGERGAVRAGGLSRRTAR*IMDELHYQDTS DVPEQRDSKCKVKWTHEEDEQLRALVRQFGQDQWKLASHFPNR TDQQCCYRWLRVLNPDVLRGPWTKBEDQKVIELVKYGTQWTL LAKHLKGRIGRQCRERWHNLNPEVKKSCWTEEDRIICEAHKV LGNRWAEIAQMLPGRTDNAVKNHWNSTIKRKVDGGLFSESKDC KPPVYLLLELEDKGLQSAQFTEGQGSLLTNWPSVPPTIKEBEN SEEBELAAATTSKEQEPIGTDLDVARTPEPLEEFPKREDQEGSP ETSPLYKVVVEAANLLIPAVGSSISEALDIESDPPAWCDLSKF DLPEEPSAEDSINNSIVQLQASHQQQVLPPRQPSA\LVPSVTRY RLDGHTISDLSRSSGELIPISPSTEVGSGICGTPPSVLKRQR RRVALSPVTENSTLSFLDSCNSLTPKSTPVKTLFPSPSQFLNF WNKQDTLELESPLSTTPVCSQKVVVTTPLHRDKTPLHQKHAAP VTPDQKYSMDNTPHTPTPFKNALRYGPKLPQTPLHLEDLKE VLRSEAGIELIETDDIRPEKQKRKPLRRSP I KVRKSLALDIV DEDMKLMMSTLPKSLSLPTTAPSNSSSLTSGIKEDNSLLNQGF LQAKPEKAAVAQKPRSHFTTPAPMSSAWKTACGGTRDQLFMQB KARQLLGRKPSHTSRTLILS</p>
6951	1940	239	<p>AGPDDTMKRSLOALYCQLLSFLILALTEALAFAIQEPSPRESL QVLPSTGTPPGTMVTAPHSSSTRHTSVVMLTNPDPGPPSQAAAPMA TPTPRAEGHPPT\TPSPSLRQ*PPPILKAP/SSTGPAPAMAT TSSKPEGRPRGOAAPTILITKPPGATSRPTAPRITTRRP PGSSRKAGNSSRPVPPAPGHSRSKEGGRNPSSTPLGQKRP LGKIFQIYKGNFTGSVEPEPSTLTPTPLWGYSSSPQQTVAAT</p>

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			TVPSNTSWAPTTSILGPAKDKPGLRRAQGGGSTFTSQGGTPDA TAASGAPVSP/ESCPSAFSAPPPR*PTGWPPQ*LLAYCYP\CT SRPLSTSSGVFTAAATGPTPAAFDTSVSAPSQGIPOGASTTPQAP THPSKVSESTISGAKEETVA\PS*PTGCPVLSQWYPPQQAIS STAWSPPGPGSLGQQGTSPMWPRGTNRSTEPSA*ARWISPG*S WPSACPSPP/LCPADGVLEHEEEDRQPGEQPEAYGNTHHPGT TFQQAC/RGAAPGIPVPLKPLRLQLSRPSRSPANGDYRDTGMVP C
6952	658	304	PESEGESGEMTDRTYIHSQLEHLQSKYIGT\ATPTPPSGSG\CE PTPRLVILLHGPLRPSQLLRHCGE*EQSASPLQLDGDASALWT ASRQARGELRLCLTTAVRGTSPPSVSPVCQSS
6953	1512	349	NWCKTRALASGKHVPFGKQTNFNKS/VHCD*G**RRETTQDES FSPHFRGMGGVV\KLEKELENTEQPVGGNEG*EHEVTGNLNSD PLLELCQCPQLDQCSREQLIAHYQHTAAVVSAXSYM\CPVC GRALSSPGSLGRHLLIHSQDRSNCAVCGARFTSHATFNSKLP EVLNMSLPTVHNEGSSAEGKDIAFSPVVPAGILLVCMNCAA YRKLLEAQTSPVRKWLRRQNEPLEVRLQRLERERTAKSRRDN ETPREVERRRMRDREAKRLQRMQETDEQRARLQDRREAMRLR AIETPEKQARLIREREAKRLKRRLEKMDMLRAQFCQDPSAMA ALAAEMNFPQLPVSQVBLDSQLLGMAFEEQSSSLH
6954	819	1	PPPPFTIPSHPREAGT*AG*KRSGDSECSFPVQ*ATRAAQN *PQR*RWTEGNSPOASAVATPGQASPAAPRCTP*PSRRHRLP PGARPPAG*AAPATKPNLAGPASAPQGAAPLSPPAPPLIRTR *CAGAAARGRPERRDRSPRPTPGGCSWSRPTPPAVSASAQTPS DAG*AGGR*GQRQRPSTGR*PFGVGGAGRSHRREGTIPGNPHPR AS*AGWQR*PGP/REWGL*EPQGBEMSCPGPGGAPPNQVSS VMQAMSTGI
6955	1968	782	PPGRRQVRAQVAGAPVGHNGTRARQVKTGRRRRARRMTMPLGQD WRSPGWSWIKTEDGWRKRCSCSKLERENNHCNISHSIIINSED GEIFNNESEHYASKKRRKDHFRNDTNTQSFYREKWIYVHKRSTK BRHGYCTLGEAFNRLDFSSAQTDIRRFNYVVKLLQLIAKSQITS LSGVAQKNYFNILDKIVQKVLDDHNPRLIKDLLQDLSSTLCIL /N*RSREVCISGKHQYLDLPIRNYRSLATTATGSSDD*ASE\NG LTLSDPLHMLNLYRPSDQWDIITLGQVTEPLYMLSEDRQLW KGLCOYHFAKQPCRHLLISEKHIEWKLMYFALQKHYPABQY GDTLHFRCHCSILFWKDSGHPCTAADPDSCFTPVSPQHFIDLFK F
6956	8605	3839	QTSSTIFASPTSPVVGESVLDQNSFDLNGSDAQREMETQSS DFPPSLTQAPADQSSSTIQLHPATSPAVSPTTSPAVSLVSPAAS PEISPEVCPAASTVVSFAVSVVSPASSAVLEAVSLEVPITASV TSPKASPVTSAAAFPTASPANKDVSSFLETTADVERITGEGIT ASGSGDVMRRIATPEEVRLPLQGWRRREVIRKKGSHRNQGETW YYGPCGKRMKQFPEVIKYLRSNVHVSVRHEHFSFRMPVGDFF BERDTPBGLQNVQLSAEIPSRIOAITGKGRPRNTEKARTKEV PKVKRGRGRPPKVKITELNKTDRPLKLEAQTLNEEDKAKI AKSKKMRQKVORGECCOTTIQQARNKQBTKSLQKEAKKKS KABKEKGTQKQELKEKVKRKKKVKMKKEEVTAKAPACKAD XTLATQRLRERQRQOMILEEMKPTEDMCLTDHQLPDPFSRVP GLTLPSCAFSDCLTIVEPLHSFGKVLGFDPAKDVPSLGVQLQGL LCQGDLSGEVDLLVRLKKAALHDPGFPSYCQSLKILGEKVSEI PLTRDNVSEILRCFLMAYGVEPALCDRLRTOPFOAQPPQKA IAFLVHBLNGSTLIINEIDKTESMSSYRKNKWIVEGRRLRLKT VLAKRTGRSEVEMGPERCIGRRSSRIMEVTSMEBEEBEEBSI AAVPGRRGRDGEVDATASSIPELERQIEKSKRQLFPRKLLH SSQMLRAVSLGQDRYRRRYNVLPLYLAGIFVGTBGNLVPPEVIK KETDLEKVAHASLNPALFPMKMELAGSNTTASSPARARGPRK

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			TKPGSMQPRHLKSPVRGQDSEQPOAQLQPEAQLHAPQPOPQLQ LQLQSHKGFLEQEGSPLSLGQSQHDLSSQSAFLSWLSQTQSHSSL LSSSVLTPDSSPGKLDPAFSPQPPPEPDEAESSPDQALWFNI SAQMPCNAATPPPAVSEDOPTSPQQLASSKPMNRPSAANPCS PVQFSSPTLAGLAPKRRAGDPGEMPQSPGLGQPKRRGRPPSKF FKQMEQRYLTQTATQFPVPEMCSGWNWIRDPEMLDAMLKALHPR GIREKALHKLHNKHRDPLQEVCLRPSADPIFEPRQLPAFQEGIM SWSPKERTYETDLAVLQNWBELEQRVIMSDLQIRGWTCPSPDST REDLAYCHLSDSQEDITWRGRGREGAPQRKITTNPDLAVMRL AALEQNVERRYLREPLWPTHEVVLEKALLSTPNGAPEGTTTIS YEITPRIRVWQTLERCRSAQVCLCLGQLERGIWEKSVNKVT CLVCRKGDNDFFLLCDGCDRCCHYCHRPKMEAVPEGDWFCVT CLAQQVEGEPTQKPGFPKRGQKXKSGYSLNFSBGDGRKRRVLLR GRESPAAGPRYSEGLSPSKRRRLSMRNHSDLTFCRIILMEME SHDAAMPFLEPVNRLVSGYRRIIKNPMDFSTMRELLRGGYTS SEEFADALLVFDNCQTFNEDDSEVGKAGHIMRRFFE\SRWEEF YQKQGSQSVRQGRWGVTLWHLPPPTQTKTCHFLMLPWWQTQV RYNPDF
6957	82	3514	HLIVAMDEPTKRENEVPAPAPPPPEPSKEKEAGTTPAKDWTLV ETTPGEBQAKQNSQLSILFIRKPGGGTVKVGEDITFIKAVKA EDLSEKPTINGSRKWMDLASKAGHLLQKETFERHSRVYTFEMQ IIRAKDNEAGNYRCEVTYKDFDSCSFDLEVHSTGTTFNIDIR SAKRSGEQEDAGELDFSGLLKREEVKQEEEPQVDVWELLKN TKPSEYEKIAFOYESPTCSGMLKRLKRSIRERKKSAAPAKILDP VYQVDKGGVRVVELADPKLEVKWNKNGQELRPSTKYIFEDTR CQSIILNIDNCQMTDDSEYVVTAGDEKCESTELLVREPPIMVTKQL EDTTDYCGERVELECEVSEDDAQVQWKNGREIILVQTRYRIRV EGKHHILYIRGATKADAADYSVMTTGGQSSAKLSVDLKLPLILT PLTDQTVNLGKEICLKCEISENIPGKWTNGLEPVQESDRLKVVH KGRHKLVIDHALTEDEGDYVFAPDAYNVTLPAKVHVIDPPKII LDGLDADNTVTYIAGNKLRLIPIISGEPKPKAMNSRGDKAIMEG SGRIRTESYPDSTLVIDIAERDDSGVYHINLKNEAGEAHASIK VKVVDPPDPVPVAPTVTEVGDDWCIMNWEPPAYDGGSPILGYFIE RKKKQSSRMRLNFDLCKETTFEPKMKIEGVAYEVRIIPAVNA\I GISKPSMPSRPFVPLAVTSPPTLLTVDSVDTVTVMWRPDDHI GAAGLDGYVLEYCFEGSTSAKQSDENGEAAYDLPAEDWIVANKD LIDKTKFTITGLPTDAKIFVRVKAVNAAGASEPKYYSQPIILVKE IIEPPKIHSPKHLKQTYIRRVGDRVILVIPFGKPRPELTWKKD GABIDKNQINIRNSETDTIIFIRKAERSHSGKYDLQVKVDKPFVE TASIDIRIIRDPGPPQIVKIEDVWGRNVALTWTPPKDDGNAAT GYTIQKADKKSMEWLRVIEHIEPVPHTLVIGNEYFYFRVFSEN MGLSEDAITMTKESAVIARDGKIYKNPVYEDFDFSEAPMFTQPL VNRLCHSGYMATLNCVSRGNPKPKITWMKNKVAIVDDPRYRMFS NQGVCTLEIRKPSPYDGGTYCKKAVNDLGTVEIECKLEVKIVIAQ
6958	274	1663	PRTSRVKTEGSGSSAMDFSVKVDIEKEVTCTICLELLTKPLSL DCGHSFCQACITAKIKESVILSRGESSCPVCQTRFQPGNLRPNR HLANIVERVKEVKMSPOEGQKRDVCEHHGKKLQIFCKEDGKVIC WVCLSQSHQGHQTFRINEVVKECQKQLQVALQRLIKENQEARK LEDDIRQERTAWKNYIQRQKILKGFNEMRVILDNBQREBQK LEEGEVNVLDNLAAATDQLVQQRQDASTLISDLQRLRGSSVEM LQDVIVMKRSESWTLKKPKSVSKKLKSVFRVPDLGMLQVLKE LTDVQYYWVDMNLPGSATSNAISVDQRQVKTVRTCTFKNSNP CDFSAPGVFGCQYFSSGKYWEVDVSGKIANILGVHSHKISSLNK RKSSGFADPSVNSKYVSRYRPOGYWVIGLQNTCEYNAFEDS SSSDPKVLTLFMAV\LPVVVLGFS
6959	1	1469	SLVHVVEFGRIEDFPYLFQLTICQQRICSVTQAGVQWCDHSS

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			LQPQTPLGLNQSSHLSSLSSRDYRMLSSFNEFWQDRFWLPPNVT WTELEDGRVYPHPQDLAALPLALVLLAMRLAFERFIGLPLS RWLGVRDQTRRQVKPNATLEKHFLTEGHRPKBPQLSLLAAQCGL TLQQTQRWFRRRRNQDRPQLTKKFCASWRFLLYLSFVGCGLSV LYHESWLWAPVMCWDYRNQTLSCPAADSEA\SLYWWYLLRLG FYLSLLIRLPFDVKRKGSSSIKPRPHYDPPSTA\DFKEQVTH HFVAVILMTFYSANLLRIGSLVLLHDSDDYLLRACKMVNMQ YQQVCDALFLIPSPVFFYTRLVLPFTQILYTTTYESISNRGPFV GYFFPGLMLLQLLHVFWNSCLILRMLYSFMKKGQMEKDIRSDV EESDSSSEAAAAQBPQLKNGTAGGPRPAPTDPGRSRVAGRLTN RHTTAT
6960	387	2068	AKWARKKEMOEF\TRSF\RGPRDLSTLTHSVRRRYLAHSGRS HLKPEEKQALRLVBEELPMQVDEAASREDKLDLTKKGRPPT PCSDPRKRPRFNSSESGSEASSPDYFGPPAKNGVASRSHHP KEENPRRA\SKAVESSDEERQDLPQORGESESEEEKGYKGGK TRKKPVVKQAPGKASVSRKQARESESESAEPVQRTAKKVEGN KGTSLKESQESSEEILAKKKEQRESEVESESEKEDDEKGDWK PRTRSNRRKSAREERSCKQKQAKRLIGDSDSEEQKEAASSG DSDGRDREPPVQRKSEDRTQLKGGKRLSGSSEDEEDSGKGEPTA KGRKMARLGSTSGESDLEREVSDEAGGGPQGERKNRSKKS SRKGRTRSSSSSDGSPKAGGKAGSGRRGEDHPAVMRLKRYR ACGAIRNYKLLGSCCSHKERLSILRAELEALGMKGTPLGKCR ALKEQREBAEVAASLDVANIISGSGRPRRTAMNPLGEAAPPG LYRRTLDSDEERPRPAPDWSHMRGISSDGSN
6961	340	1646	RPWSSPTMKPNFSLRLRIFNLNCWGIPLYLSKHRADRMRLGDFL NQESFDLALLBEVWSEQDFQYLRQKLSPTYPAHHFRSGIIGSG LCVFSKHEIQELTQHIYTLNGYPMIHHGDWFSKAVGLLVHL SGMVLNAYVTHLHAEYNRQKDIYLAHRVAQAWELAQFIHHTSKK ADVVLCCDLNMHPEDLGCCLLKWTGLHDAYLETRDFKGSSEB NTMVPKNCYVSQQLKPPFPFVGRIDYVLYKAVSGFYISCKSPET TTGFDPHRGTPLSDEALMATLFVRHSPQONPSSTHGP\AERS PL/MCVCLKEALDGSGLGMA\QARWNA\TPA\SYVIGLGL\LL LALLCVLAAGGGAGEAAILLWTPSVGLVLWAGAFYLFHVQEVNG LYRAQALQHVLRAREAQDLGPEPQLYALL\LGQOEGDRTKEQ
6962	340	1646	RPWSSPTMKPNFSLRLRIFNLNCWGIPLYLSKHRADRMRLGDFL NQESFDLALLBEVWSEQDFQYLRQKLSPTYPAHHFRSGIIGSG LCVFSKHEIQELTQHIYTLNGYPMIHHGDWFSKAVGLLVHL SGMVLNAYVTHLHAEYNRQKDIYLAHRVAQAWELAQFIHHTSKK ADVVLCCDLNMHPEDLGCCLLKWTGLHDAYLETRDFKGSSEB NTMVPKNCYVSQQLKPPFPFVGRIDYVLYKAVSGFYISCKSPET TTGFDPHRGTPLSDEALMATLFVRHSPQONPSSTHGP\AERS PL/MCVCLKEALDGSGLGMA\QARWNA\TPA\SYVIGLGL\LL LALLCVLAAGGGAGEAAILLWTPSVGLVLWAGAFYLFHVQEVNG LYRAQALQHVLRAREAQDLGPEPQLYALL\LGQOEGDRTKEQ
6963	374	2618	RVTPILILKLLKKPKTAENQKASEENEITQPGGSSAKPGLPCLNF EAVLSPDPALIHSTSLTNSHAHTGSSDCDISCKGMTIRHSIN LHNFNSVLETLNEQRNRGHFCVTVRIHGSMLRAQRCLVLAAGS PFFQDKLLLGYSDEIPSVVSVQSVQKLDIFMYSGLRVRSQSEA LQILTAASILQIKTVIDECTRIVSQNVGDVFPQIDSGQDTPRG TPESGTSGQSSDTESGYLQSHPOHSVDRIYSALYACSMQNGSGE RSFYSGAVVSHHETALGLPRDHMEDPSWITRIHRSQOMERYL STTPETTHCRKQPRPVRIQTLVGNIIHQEMEDDYDYGQQRVQ ILERNESECTEDTDQAGCTSEPKGESFDSGVSSSIGTEPDSDV EQQFGPGAARDSQAEPQPEQAAEAPAEAGGPQTNQLETGASSPE RSNEVEMDSTVITVNSSDSKSVLQQPSVNTSIGQPLPSTQLYLR QTETILSNLRMPLTLTSTNTQVIGTAGNTYLPALFTTQFAGSGPK

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			PPLFSLPQPLAGQQTQFVTVSQPGLSTFTAQLPAPQPLASSAGH STASGQGEKKPYECILCNKTF TAKQNYVKHMFVHTGEKPHQCSI CHRSFSLKDYLIK\HMTHTGVRAVQCSICNKRFTQKSSLNVMH RLHRGEKSYECYICKKKFSHKTLERHVALHSASNGTPPAGTPP GARAGPPGVVACTEGTTTVCSVCPAKFDQIBQFNDHMRMHVSDG
6964	1	178	SQRPPFFPPSNTDVFYIKKVTNRWTAGSSYKMTMKSIGIKILL QTIFIG\NCSMFVLVI
6965	757	208	NVFIEPRIQGFPMKTSAPGQKHDPDFSMGLLPFLAALVCSGCS SGSLGYNLPQNH\GLLGRNTLVLLGQMRRISPFCLCKDRSDPFRF PQEKVEVSQQLKA\QAMSFYDVLQOVFNFSHKALL\CCMEHDL PGTTPHFTSSAAGTPGDLGAGDGRRRSWQWVIEGSTLALRRY PQESISTLE
6966	820	1867	IITALGVRCMPGCGPCPGCGMAGPRLLFLTALALELLGRAGGSQP ALRSRGATACRLDNKESESWGALLSGERLDTWICSLGSLMVG LSGVFPLLVIPLEMTMLRSEAGAWRLKQLLSFALGGLLGNVFL HLLPEAWAYTCSASPGGEGQSLOQQQQLGLWV IAGILTFLALEK /HVPQQGGGDQPGPQORPHCCCRRAQWRPLSGPAGCRARPRCR GP\DIKVSGLNLLANTIDNFTGLAVAASPLVSKKIGLITMA ILLHRI PHEVGDFAILLRAGFDRWSAAKLQLSTALGGLLGAGPA ICTQSPKGVBEETAANVLPTSGGFLYIALVNVLPDLLEEDPW
6967	162	633	GFLPFKYWILDLSASSRMETDCNPMELSSMSGFREGSBLNGFEG TDMKDMRLRARAVVNDVLPVANNMFPVSKSLRCADDOVAYINVTK ERNRYCLELTREAGLKUVGYAFDQVDDHLQTPYHSTVYSLLDTL\ SPAYREAFGKR\LLQRLALKRDGQS
6968	1	2265	RGGGGGRGGPGARERERPGEPTMEAAAGRGCFQPHPLQKT LEQPHLSSMSSILGGPAPFARWAQEA YKKESAKEAGAAVPAV PAATEPPPVHLHPAIQPPPPVLPGPFFMPSDRSTERCETVLEGE TISCFFVGGKRLCLPQILNSVLRDFSLQQINAVCDELHIYCSR CTADQLEILKVMGILPFSAPSGLITKTDAERLCNALLYGGAYP PPCKKELAASLALGLELSERSVRVYHE\CPGKCKGL\LVPELYS SPSAACIQCLD\CRIMYPHKKFVVHSHKALENRTCHWGF\DSA\ NWRAYILLSQDYTGKEEQARLGR\CLDDVKEKFDYGNKYKRRVP RVSEPPASIRPKTDDTSSQSPAPSRBKDKPSSWLRTLAGSSNKS LGCVHPRQRLSAFRPWPSPAVSASEKELSPHLPALIRDSFYYSKS FETAVAPNVALAPPQKQVVSPPCAAASVRAPELATCTQPRK RKLTVDTGPAPETLAPVAAPEKDKDSEAEVEVESREERPTSSLSS LSSPSFTSSSSAKDLGSPGARALPSAVPDAAAPADAPSGLEAEL EHLRQALEGGLDTKAKEKFLHEVVVMRVQEEKLSAALQAKRS LHQLEFLRVAKKELREATEAKRNLKKEIERLRAENEKMKKEA NESRLRLKRELEQARQARVCDKGCAGRLRAKYSAQIEDLQVKL QHAEDREQLRADLLRERREAREHLEK\VVK\ELQEQLEWPRARBE AAGSEG\AAELEP
6969	1855	118	AGTMHGRILKVTSEBQAEAKRLEREQKLKLYQSATQAVFQKROA GELDESVLELTSQILGANPDFAILWNCRRREVLLQLETOQSPEEL AALVKAELGFLESCLRVNPKSYGTHHRCNLLGRLEPENWTREL ELCARFLEVDEENFHCWDYRRFVATQAAVPAEELAPTDLSLITR NFSNYSSWHYRSCLLPQLHPQPDSPQGRLPEDVLLKELELVQN AFFTPDNDQSAWFYHRWLLGRADPDALRCLHVSERDEACTVSP SRPLLVGSRMBILLMVDSPILVWRTPDGRNRP SHVWLCDL AASLNDQLPQHTFRVIWTAGDVQKECVLLKGRQEGWCRDSTDE QLFRCKLSVERSTVLQSELESCKELQELEPENKWCIL\LTITLLM RALDPLLYEKETLQYFQTLK\AWDPKRAY\LDDLRSKFLLENS VLKMYAEVRVLHLAHKDLTVLCHLEQLLVTHLDLSHNRRLTL PPALAAALRCLEDPPT\VLQASDNATESLDGVTNLPRIQELLL CNNRLQPAVLQPLASCPRLLVLLNLQGNPLCAVAGILEQLARLL PSVSSVLT

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6970	3	1528	<p>SFPPLISSPSAVGEGKVAVAAPCPGRSECARAKMAYIQLEPLNE GFLSRISGILLCRWTCRHCCQKCYESSCCQSSSEDEVILGPFPFA QTPFWLMASSSDKDGDSVHTASEVPLTPRTNSPDGRSSSDTS KSTYSLTRRISSLESRRPSSPLIDIKPIBFGVLSAKKEPIQFSV LRRTYNDDYFRKPEPHLYSLDSNSDDVDSLTDEEILSKYQLGM LHFSTQYDLLHNLTVRVIEARDLPPPISHDGSQRQDMAHSNPYV KICLLPDQKNSKQTVGVRKTQKPVFEERYTFEIPFLBAQRRTLL LTVVDFDKFSRHCVIGKVSVPCEVDLVKGGHMKALIPSSQNE VELGELLSLNYLPSAGRLNVDVIRAKQLLQTDVSSQSSDPFVKI QLVHGLKLVKTKTSFLRGITDPFYNESPSFKVPQBELENASLV FTVFGHNMKSSNDFIGRIVIG\QYSSGP\SEPNHWRRLNTHRT AVEQWHSLSRAECDRVSPASLEVT</p>
6971	37	3702	<p>ACFYVPGSRSPFKLI PRHGLVNMGRSGKLP SGVSAKLKRWKKGHS SDSNPAICRHRQAARSRRPSPGRSDLTVDVAVKLHNELOSGSL RLGKSEAPETPMEEBAELVLTEKSSGTFSLGSLSDCTNVTFSKVQ RFWESNSAAHKEICAVLAAVTVIRSQGGKETREYFAALIRKA AQHGVCVSLKSGSEPMFEKAPAHHPAAISTAKFCIQEIEKSGGSK EATTTLEHMLTLLKDLLPCPPEGLVKSCSETLLRVMTLSHVLVTA CAMQAFHSLFHARPGSLTSLAELNAQIITALLYDVPSKNDLQPL LAWLKVMEKAHINLVRLQWDILGHLPRPFGTAVTCLLSPHSQV LTAATQSLKEILKECVAPHMADIGSVTSSASGPAQSVAKMFRAV EEGLTYKHAANSSVLQLLCVFFACGROAHPVMRKCLQSLCDL RLSEPHFHTAALDQAVGAATSMGPEVVLQAVPLEIDGSRBETLD FPRSWLLEVIRDHVQETRLGFFTTYPLPLANTLKSAMDLAQAG STVESKIYDTLQWQMTLLPGFCTRPDVAISPKGLARTILGMAI SERPDLRVTVQALRTLITKGCQAEADRAEVSRAKNFLPLFN LYCQPVAAGDTPAPRRVLETIRTYLTITDTQLVNSLLEKASEK VLDPASSDFTRLSVLDLVVALAPCADEAAISKLYSTIRPYLESK AHGVQKAYRVLEEVCSAPQGGALFVQSHLEDLCKTLLDLSRS TSSPAKRPRLLKCLLHIVRKLASBHEKEFITALIPBVLCTKEVSV GARKNAFALLVEMGHAFIRFGSNORRALQCYLVLIYPGLVGAVT MVSCSILALTHLLPEFKGLMGTSTVEQLLENVCLLASRTRDVV KSAIGFIKVAVTVMVAHLAKHVQLVMEAGIKLSDDMRHFRMK LRNLET\KFIPK\FGILTNGKKA VGPKYHRVLVNIRKARAK RHRALSQAABEEEEEEEPQAGKGDSEIILADSEDEEDNE EEERSRGKEQRKLARQSRRAWLKEGGGDEPLNFDPKVAQRVLA TQPGPGRGRKKDHSFKVSADGRLIIRREADGNMEEEEBAKGED EEMADPMEDVIIRNKKHQKLKHQKEABEBBLEIPPQYQAGSGGI HRPVAKKAMPGAEBYKAKKAGDVKKGRPDYAYIPLNRSKLN RKKMKLQCFKGLVKAQRGSQVGHKNRRKDRRP</p>
6972	2179	973	<p>PGGAILLPLWRTRPREATVPRGAAQRGRARSABGRIPSSQSPS PAEAGGATRSPPPRPPRPARPPGPSAPPLLRSDAGPGATVSA AAATERARRGATMGALSTLGHMVLPVWFYLSLLMKLFQRSTP AITLESPIKYPLRLIDREIISHDTRFRFALPSPQHILGLFVG QHIYLSARIDGNLVVRPYTPISSDDKGFVDLVIKVYFKDTHPK FPAGGKMSQYLESMDIGDTIEFRGPGSLVYQGGKFAIRPDKK SNPIIRTVKSGMLAGGTGITPMLQVIRAIMKDDDDHTVCHLLF ANQTEKDILLRPELEELRNKHSARFKLWYTLDRAPKANDYCGG\ FVNEEMIRDHLPPPE\EBPLVLMCGPPPMIYACLPL\DHVCH PTERCFFV</p>
6973	1	1964	<p>LQPRCAHRGLRAQKCGRPAPGVDMVLCVIGKLLHKRVVLASA SPRRQEILSNAGLRFVVPSPKFEKLDKASFATPYGYAMSTAKQ KALEVANRLYQKDLRAPDVVIGADTIVTVGGLLLEKPVQKQDAY RMLSRFE/SGREHSVPTGVAIVHCSSKDHQLDTRVSEFYEBTKV KFSELSEILLWEYVHSGRPMKAGGYGIALGGMVLVSVHGDPL NVVGFPLNHFCQQLVKLYYPPRPEDLRRSVKHDSIPAADTFEDL</p>

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			SDVEGGGSEPTQRDAGSRDEKAEAGAGQATARACHRTRETLP PFFTRLLELEIEGFMLSKGLLTACKLVFDLLKDEAPQKAADIAS KVDASACGMERLLDICAAMGLEKTEQGYSTETANVYLASDGE YSLHGFIMHNNDLTWNLFITYLEFAIREGNTQHRRALGKKAEDLF QDAYYQSPETRLRFMRAMHGHTKLTACQVATAFNLSRFSSACDV GGCTGALARELAREYPRMQVTVDLFDIIEIAAHFQPPGPQAVQ IHFAGDFFRDPLPSAELYVLCRIHLDWDDKVKHLLSRVAESC KPGAGLLLVETLLDBEKKRVAQRALMQSLNMLVQTEGKRSLGEY QCLLELHGFHGVVHILGGVLDAIL\PPKWPEAQAACSL
6974	3082	2172	RSCAASFASRPPELELPAPGSHRSPPGRGVATSAQCALSVRK LLAARPGIGTKYQATMVYKTLFALCILTAGWRVQSLPTSAPLSV SLPTNIVPPTTIWTSPPONTADTASPSNGTHNNSVLPVTASAP TBLLPKNISIESREEEITSPGSNWEGTNTDPSPSGFSSTSGGVH LTTTLEBHSIGTPRAGVAATLSQSAEPPTLISPOAPASSPSSL STSPPEVFSASVTINHSSTVTSTOPTGAPTAPESPTERSSSDRT PTSHATAEPVPQEKTPPTTVSGKVMCELIDMET\PPPPFG RPRPTVHCCKWALKLETAMETLINVFHAHSGKEGDKYKLSKKEZ KELLQTELSGFLDVKEML*ATKALKTPREA*KSPIIQCSSRS SLPPAPQPPPYL*LSAVFPPIHLPLPLPQAQKDVDAVDKVMK BLDENGDEVDQBYVVLVAALTACNFFWENS
6975	2	500	GCQL*VAYGTTEPSPVTFAPHPEDTVEQKAESVGRIMPHTARI MNMEAGTLAKLNTPGELCIRGYCVMLGYWGRPKQTERAVDQDKW YWTGDVATMNEQGFCKIVGRSKDMLIRGENIYPAELEDFHHT PKVQEVQVGVKDDRMGEIECACIRLKGRETTVKEIKAFCKGK ISHFKIPKYIVFVTNYPLTISGKIQKFLREQMERHLNL*IKQQ ACPGRLA
6976	1216	970	SLFINTNLLSNQIRKTSFGMCSEPISDNTKDQKGLKTPDFA*R ANKKSKHHVNGNRTVBPFPPEGTQMAVFGMGCFFWAGARRKFWVLKG VYSTQVGFAGGYTSNPTYKEVCSEKTHAEVVRVVYQPEHMSFE ELLKVFWEHNDPTQGMROGNDHGTQYRSATYPTSQKQMEALSS KENYQKVLSEHGFGPIITDIREGQTFYVARDYHQYLSKNPNGY CSLGGTGVSCPVGIKK
6977	1298	588	SFPFRDSRRCGCKGSSLRHTAVAMVKLSKBAKQRLQQLFKGSQ FAIRWGFIPLVIIYLGFKRGADPGMPEPTVLSLLWG
6978	3	242	DEARVREGEVAAAILSRCHWSGPPPPPPSPDRKGLRGTEPWE AGPGSGATPGARAMDVRLKVNBLRERLQRRGLDTRGLKTELAE RLQAALAEABEPDDERELDADDEPGRPGHINEEVETEGGSELEGT AQPPPPGLQPHAEPPGGYSGPDGHYAMDNITRQNFYDTQVIKQE NESGYERRPLEMEQQQAYRPEMKTEMKQGAPTSFLPPEASQLKP DRQQPQSRKRPYBENRGRGYFEHREDRGRSPQPPAEDEDDDFD DTLVAIDTYNCDLHFKVARDRSSGYPLTIEGFAYLWSGARASVG VRRGRVCFEMKINEEISVKHLPSTRPDPHVVRIGWSLDSCTQL GEEPFSYGYGGTGKSTNSRFENYGDKFAENDVIGCFADFCCN DVLSFTKNGKWMGIAFRIQKALGGQALYPHVLVKNCABEFPNF GQRAEPYCSVLPGFTFIQHLPLSERIRGTGPKSKABCEILMMV GLPAAGKTTWAIKHAASNPSSKYNTLGTNAIMDKMRVMGLRRQR NYAGRWDVLIQQATQCLNRLIQIAARKKRNXYLDQTNVYGSQR RKMRFEGFQKALVICPTDEDLKDRTIKRTDEEGKDVDPDAVL EMKANFTLPDVGDFLDEVLFIEKLOREADKLVRQYNERGRKAGP PPEKRFDNRRGGGFRGRGGGGGQRYENRGPFGNRRGGFQNRGG GSGGGGNRGGFNRSGGGGYSONRWGNRDNNSNNRGSYNRA PQQQPPPPQPPPPPPPPPPPSYSPARNPPGASTYNKNSNI PGSSANTSTPTVSSYSPQSGFFPSTFQPSYSQPPYNQGGYSQ GYTAPPPPPPPPAYNYGSYGGYNPAPYTPPPPPPTAQTYPPQSY NQYQQYAQQWNQYQNGQWPPYIGNYDGSYSNGTQGGTSTQ
6979	3917	1146	GTRGRKTGRVAAAPSTRRTGNMQLQTRSPAMSLSDPGLGYHT
6980	1	420	

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			CWTLRWPPPLCSLHALHVHCHLFSRLGTPVSPRLAMDPNCSCEA GGSCACAGSCCKCKCKCTSCRKSCCSCCPLGCAKCAQCICKGA SEKCSCCA
6981	10	1054	PGRGFRRASLRPAFAARGVFQGGGLQAKQARTRACAALPTPHPS APRLLEPQGVFSLFPPPPGFWPNNMLTKAQYDBIAQCLVSVPEPT RQSLRKLKQRFPSQSQATLLSIFSQBYQKHKRTHAKHHTSEAI BSYYQRYLNGVVKNGAAPVLLDLANEVDYAPSIMARLILERFIQ RHEETPPSKSIINSMLRDP SQIPDGVLANQVYQCVINDCCYGPL VDCIKHAIGHEHEVLLRDLLEKNLSFLDEDQLRAKGYDKTPDF ILOVPVAVSGHIHWTESKASPGDECSHHAYLHDQFWSYWNRFPG PGLVIYWYGFIQELDCNRERGILLKACFPPTNIVTLCHSIA
6982	153	1285	FPQDCSAPAAPGLAGSEPRRLRAYRRRRQARGLKRVANLAPP PSLLQGLQWQAQAPVDGTLGPEDSRASSPMIQNSRPSLLQPDV GDTVETMLHPVIKAFLCGSIISGTCSTLLFQPLDLLKTRLTQILQ PSDHGSRVRGMLAVLLKVVRTESLLGLWKGMSPSIVRCVPGVGI YFGTLYSLKQYFLRGHPPTALESVMLGVGSRVAGVCMSPITVI KTRYESGKYGYESIYAALRSIVHSEGRGLFSGLTATLLRDAPF SGIYLMFYNTQKNIVPHDQVATLIPITNFS CGIPAGILASLVT QPADVIKTHMQLYPLKFWIGQAVTLIPKDYGLRGFPQGGIPRA LRLTLMAAMANTVYEMMAKMGILKS
6983	82	773	EMSFLQDPSFFTGMWSIGAGALGAALALLANTDVFLSKPQK AALSYLEDIDLKTEKEPRTPKAKELWEKNAGAVIMAVRRPGCFL CREEAADLSSLSKMLDQLGVPLYAVVKHIRTVEVKDQPPYFKGB IFLDEKKKPYGPQRRKMMFMGFIRLGWYNNFFRAWNGGFSGNLE GEGFILGVPVVGSGKQGLLEHREKEFGDKVNLLSVLEAAKMI KPQTLASEKK
6984	1845	1282	GGRSAYSLPAGSLPRVPATAAKMASGVQVADEVCRIFYDMKVR KCSTPEEIKKRKKAVIDPCLSDAKKCIIVEEGKEILVGDVGVTIT DPFKHFVGMLEPKDCRYALYDASFETKESRKEELMFLWAPELA PLKSKMIYASSKDAIKKKFQGIKHECQANGPEDLNRAICAEKLG GSLIVAFEGCVP
6985	1887	1324	RRTAGIYPCFPKPGRTRHALCSVLLLLTGQLAFDDFQESCAMY WQKYAGSRRSMPLGARILFHGVFYAGGFAIVYLYIQKFHSRALY YKLAVEQLQSHPEAQEALGPPPLNIHYLKLIDRENFDIVDAKLE IPVSGSKSEGLLYVHSSRGGPPQRWHLEVFLELKDGGQIIPVFK LSGENGDEVKKE
6986	642	1350	YHLYFKMGDPNSRKKQALNRLRAQLRKKKESLADQDFKMYIAF VFKKKKKKSALEFVSEVIVPMTNNYEENILKGVDRDSYSSLESSL ELLQKDVVQLHAPRYQSMRRDVIGCTQEMDFILWPRNDIBKIVC LLFSRWKESDHPFRPVQAKFEFHGDYEQFLHVLRSKDKTGIV VNNPNQGVFLFIDROHLQTPKNKATIFKLCSICLYLPQEQLTWH AVGTIEDHLRPFYMP
6987	1623	341	LEAAEKASRAFKESQRQTDSKNYETENWSPQKSQRRYDMYNTAC FLGSEIEVGLYTIQILQLTPFFHKENELSKKHMVQPLSGKWTIPP DPRNECYLALS KFTSHLKNLQSDLRKCFDFIDYMLLKMRYTQ KETABI ML SKKVSRCFRKYTEL FCHLDPCLLQSKESQLLQRENC RKLEALRADRFAGLLEYLNPYKDATTIMESIVNEYAFLQONS KKPMTNEKQNSILANIILSCLKPN SKLIQPLITLKKQLREVLQF VGLSHQYPGPYFLACLFLWPNQELDQDSKLEKYVSSLNRSFR GOYKRMCRSKQASTLFYLGKRGKGLNSIVHAKIEQYFDKAQNTN SLWHSGDVWKKNEVKDLLRLLTGQAEGLISVEYGTERRKIKIPV ISVYSGPLRSGRNTERVSFYLGFSIEGPPGL
6988	3	689	TQLLRRPAVPVGSAAAGIRSGLWSASSGHWCAPAAGRAHAPVPR LVRLGAASTAAPQDAQTGPQMPRADCIMRHLPIYFCRGQVVRG FORGSKQIGIPTANFPQVVDNLPADISTGIYYGWASVGSQDVH KMVVSIGWNPYYKNTKSMETHIMHTFKEDFYGRILNVAIVGYL

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			RPEKNFDSLESLSIAIQGDIEAKKRLELPEHLKIKEDNFFQVS KSKIMNGH
6989	2	1118	LMPSDRPLSPSTHASAGSHCHAPPTTARRAFPPIPGSKSNMATL KDQLIYNLLKEEQTPQNKITVVGVGAVGMACAISILMKDLADEL ALVDVIEDKLKGMMDLQHGSLFLRTPKIVSGKDYNTANSKLV IITAGARQQEGESRLNLVQRNVNIFKFIIPNVVKYSPNCKLLIV SNPVDILTYVANKISGFPRNRVIGSGCNLDSARFRLMGERLGV HPLSCHGWVLSEHGDSVPVWVGSMNVAGVSLKTLHPDLGTDKDK EONKEVHKQVVEAYEVIKLGYSWAIGLSVADLAESIMKNLR RVHPVSTMIGLYGIKDDVFLSVPCILGQNGISDLVKVTLTSEE EARLKKASDTLNGIQKELQF
6990	719	258	THASGMASVVLALRTRTAVTSLLSPTPATLAVRYASKSGGSS KNLGGKSSGRRQCIKKMEGHVYHAGNIATQRHFRWHPGAHVGV GKNKCLYALEGIVRYTYKEVYVPHPRNTEAVDLITRLPKGAVLY KTFVHVVPAPKEGTFFKLVAML
6991	169	451	RRSSDFHNPGLSRFPVSLRENIIHQVICSTENKRRNPKKIAYLL SSLMTNLNPNSTENQPVDAWAFITLQDFLTACVEGTGCLF CGRHVH
6992	944	510	RQAPGCSLALRQVRQVYCGLVRAFPQVQTRPLSSRFVERRGALY RSPMNQENPPYPYPGPGTAPYPPYPQPMGPGMGGPYPPPGQY PYQGPQYQWQGGPQEPKKTIVYVVEDQRRDELGPSTCLTACWT ALCCCCLDMLT
6993	1	374	QWCVTCPOHNARQGPVPPGIQAYGAAPFEDLOVDFTEMSKCRG DRVNIKWNVNASLCLPWKGPQTVVLSPTAVKVEGIPAWIHSH VKPAARTNEARSPDPNPFVTLKKTSPAPVTPGS
6994	346	1100	QWPEKDPVMAASSISSPHGKHVFKATIMVLVALILLHSAQAQR RDPAPPQQKREAPVDVLTQIGRSVGTLDWAGPETMHLVSES SSQVLWAISSAISVAFALSGIAAQLNALGLAGDYLAQGLKLS PCQVQVTELLWAGALVYVWLLSLLGLLALGLRILWGIKLVIF LAGFVALMRSPDPSTRALILLALLILYALLSRI.TGSRASGAQL EAKVRGLERQVEELRWRQRRRAAKGARSVEEE
6995	144	1346	GSVAVGLSGIMAAQKDLWDATVIGAGIQCCFTAYHLAKHRKRL LLEQFFLPHSRGSSSHGQSRIIRKAYLEDFYTRMMHECTQIWAQL EHBAGTQLHRQTGLLLGMKENQELKTIQANLSRQRVEHQCLSS EELKQRFPNIRLPRGEVGLLONSGGVIYAYKALRALQDAIROLG GIVRDGEKVVEINPGLLVTVKTTSRSYQAKSLVITAGPWTNQLL RPLGIEMPLQTLRINVCYWRMVPGSYGVSAFPCLWLGLCPH HIYGLPTGEYFGLMKVSYHHGNHADPEERDCPTARTDIDGVQIL SSFVRDHLPLDKPEPAVIESCMYNTNTDQFILDRIHPKYDNIVI GAGFSGHGPFLAPVVGKILYELSMKLTPTSYDLAPFRISRFPSLG KAH
6996	543	1942	ETANABAAARKSAMDWKEVLRRLATPMTCPNKKKSEQELKDBE MDLFTKYYSWKGRKNTNEFYKTIPRFYYRLPAENEVILLQKLR EESRAVFLQKRSRELLDNEELQNLWFLLDKHQTPPMIGERAMIN YENFLKVGKAGAKCKQFFTAKVPAKLHSDSYGRISIMQFPNY VMRKVWLHQTRIGLSLYDVAGQGYLRESDENYILELIPTLPLQ DGLEKSFYSFYVCTAVRKFFFLDPLRTGKIKIQDILLACSPLOD LLELRDEELSKESQETNWFSPALSALRVYGYINLKDHNHMLSK EELSRVGTATMTNVFLDRVFOECLTYDGEMDYKTYLDFVLALEN RKBPAAQYIFKLLDITNKGYLNVFSLNYFFRAIQELMKIHGQD PVSFQDVKDEIFDMVKPKDPLKISLQDLINSQGDVTVTILIDL NGFWTYENREALVANDSENSADLDDT
6997	370	1104	AMBLTIFILRLAIYILTFPLVLLNPLGLWSWICKKWFYFLVRF TVIYNEQMAKKRELFSNLQEFAGPSGKLSLEVGCGTGANFKF YPPGCRVTCIDPNENFEKFLKSIAENRHLQFERFVVAAGENMH

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			QVADGSDVVVCTLVLCVKNQERILREVCRLRPGGAFYFMEH VAAECSTWNYFWQQVLDPAWHLLFDGCNLTRESWKALERASF LKLQHIQAPLSWEIVRPHIYGAVK
6998	2	616	FVSRALLRVRSRRRPAERAAAPGRPEADPIECPGATNCPEPLWC SHLPVPYAPPTMESRGKSASSPKPDTKVPQVTEAKVPPAADGK APLTKPSKKRAPAEKQPPAAPPTTAPAKKTSARADPALLNNHNS LKPAPTVPSSPDATPEPKPGDGAEDRAASGPGGRGPNWCEN FNLILLVAGGVAVAAIALILGVAFVLRKK
6999	14	1591	GRAGACSRRTAMSEIESSDVIRLIMQYLKENSILHRALATIQE ETTVSLNTVDSIESFVADINSGHWDTVLQAIQSLKLPDKTLIDL YEQVVLLELRELGAARSLLRQTDPMIMLKQTQPERYIHLENL LARSYFDPFRAYPDGSSKEKRRAAIAQALAGEVSVVPPSRIMAL LQALKWQHQGLLPPGNTIDLFRGKAAVKDVVEEKFTQLSRH IKFGQKSHVBCARFSPDGQYLVGTGSVDGFIENVNFTTGKIRKDL KYQAQDNFMMDDAVLCMCFSRDTEMLATGAQDGKIKVWKIQSG QCLRRFERAHSKGVTCLSFSKDSSQILSASFDTQIRIHGLKSGK TLKEFRGHSSFVNRAFTPDGHYIISASSDGTVKIWNMTTECS NTFKSLGSTAGTDITVNSVILLPKNPEHPVVCNRSNTVVMNQ GQIVRSPSSGKREGGDFVCCALSPRGWEIYCVGEDFVLYCFSTV TGLERTLTVEKDVIGIAHHPHQNLATYSEDGLLKLWKP
7000	2	827	GPQVVFLELMESEOPPESESEFFSQREBEENEERAEPEETGP KNPLLQPALTGDEGLQKIFEDPENPHHEQAMQLLEEDIVGRN LLYAAACMAGQSDVIRALAKYGVNLNEKTRGXTLLHCAAAGRL ETLKALVELDVIDEALNFRERARDVAARYSQTECVFELDWADA RLTLKKYIAKVSIAVTDTEKSGSKLLKEDKNTILSACRAKNEWL ETHTEASINELFEQRQQLIEDIVTPIFTKMTTPCQVKSASVTSH DQKRSQDDTSN
7001	2056	844	RRCLIIAFLKGCFFIYFIFIPETEFLLSCCPGWSAVAQSRILAN FASQVQAIFILPKDSQVGPDKSEAPKRALYRSVFGSGEICGP TSPKRLCIRPSEPVDVAVVSVKHDPLPLLPANGHRSTNSPTI VSPAIVSPTQDSRPNMSRPLITRSPASPLNNQGIPTPAQLTKSN APVHIDVGCHMYTSSLATLTKYPESRIGRLFDGTPIVLDLSLKQ HYFIDRDGQMFYILNPLRTSKLLIPDDFKDYTLLEYEAKYFOL QPMLEMERWKQDRETGRFSRPCCLVVRVAPDLGERITLSGDK SLIEVFPEIGDVMCNVSNAGNHDSTHVRFPPLNGYCHLNSVQ VLERLQQRGFEIVGSCGGVDSSQFSEYVLRRELRRTPRVPSVI RIKQEPID
7002	1043	498	PMPSSSTRWITS*TYTDTSSAWACRPTTGCT*TAAPGPTVRWWP TPCSRHQSRRLTCWCSTSRPCGR*GGLCVRTAPTPTTSASSS SWTSAGTSWPAGRRGTATSGTATTSVNPFCGTRMNSTQWSSV PRSRCCSRPATTTPSKPGAPHAPCASSRHLAHLAPSSPGLPA RGAEVC
7003	818	61	QGRFRAFCWQDFLQPPGMRLSALLALASKVTLPPHYRYGMSPP GSVADKRLNPPWIRRRPVVVBPISEDDWYLFCDTVEILBGDA GXQKVVQVIRQRNWWVVGGLNTHYRYIGKTM DYRGTMIPSEAP LLHRQVKLVDPMDRKPTIEBWFTEAGERVVRVSTRSGRIIPKPE FPRADGIVPTWIDGPKDTSVEDALERTYVPCIKTLQEEVMEAM GIKETR\NTRRSIGIEPGABQLLPNCPSPLEG
7004	121	2285	FLLPVLTSSRLRQPAVPHARLGGVBPAAKMSARAKTPRKPTVKK G\PKRTILKTQLG/YICVRPLGFPDQECCEVINNTTVQLHTPE GYRLNRRNGDYKETQYSFKQVFGTHITQKRLFDVVANPLVNDLIH KGNGLLFTYGVGTSGKTHMTGSPGEGGLLPRLCDMIFNSIGSF QAKRYVFKSNDNRNSMDIQCEVDALLERQKREAMPNPKTSSSKRQ VDPEFADMITVQEFCKAREVDEDSVYGVFVSYIETNNYIYDLL REVFPDPINPNLHNLNCFVKIKNHNMYVAGCTEVEVKSTERAFE VFWRCQKKRIANTHNLNRSSRSHSVFNIKLVAPLDADGDNVL

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			QEKEQITISQLSLVDLAGSERTNRTAEGNRLREAGNINQSLMT LRTCMDVLRENQMYGTNKMVPYRDSKLTPLPKNYFDGEGKVRMI VCVNPKAEDYEENLQVMRFAVTOEVEVARPVDKAICGLTPGRR YRNQPRGP\IGNEPLVTDVVLQSFPPPLPSCRILDINDRQTLPR LIEALEKRNHLRQMMIDEFNKQSNAPKALLQEFDNVLSKENHMQ GKLNKKKMYSGQKLEIERLEKKNKTLBYKIEILKTTTIEED KRNLQOELETQNQLQRFSDKRRLEARLQGMVTETTMKWEKBC ERVAAKQLEMQNKLVKDEKLQKKAIVTEPKTKPERPSRER DREKVTQRSVSPSPVPVSYL
7005	63	876	RNMALYQWRCLRLQGLQACRLHTAVVSTPPRLAERLGLFERL WAAQVKRLASMAQKEPRTIKISLPGGQKIDAVAWNTTPYQLARQ ISSTLADTAVAAQVNGEPYDLERPLETDSLRPLTFDSPEGKAV FWHSSHTVLGAAABQFLGAVLCRGPSTRYGFYHDFLIGKERTIR GSLEPLVLERICQELTAARPFRRLEASRDQLRQLFKDNPFKLHL IERKVTGPTAIVYCGTLVDLCQGPLRHTGQIGLKLKLSNSSS LWRSSG
7006	22	898	NAPGRHSTAVKMAAAWLQVLPVILLILGAHPSPLSPFSAGPAT VAAADRSKWHIPIPSGKNYFSGKILFRNTTIFLKFDDGEPCLDS LNTITWYLSADCYNEIYNFKAEVELYLEKLEKRGSLGKYQTS SKLFQNCSELEFKTQTFSGDFMHRPLPLGKQKQAKENGNTLFTIG DKTAMHEPLQWQDAPYIFIVHIGISSKSSKENSLSNLEFMTT VEVKGPYEYLTLEDYPLMIFMVMCIVYVLFGLWLAWSACYWR DLLRIQFWIGAVIFLGMLEKAVFYAGFO
7007	2	1001	AMTVSGFGTTPRPRPATPGASSVEQLRKEGNELEFKCQDYGALAA YTQALGLDAPDQDAVLRNRRAACHLEKEDYDKAETASAKAIEK DGGDVKALYRRSQALEKLGRLDQAVLDLQRCVSLPKNVFQEA IERNIGQIQEKVRYMSSTDAKVEQMFQILLDPEEKGTTEKKQKAS QNLVVLAREDAEAKIFPSNGVQLLQRLDMGETDLMLAALRTL VGICSEHQSRTVATLSILGTRRVVSILGVESQAVSLAACHLLQV MFDALKEGVKGFRCGKGAIVGENKQVWGLDVTVMEGMGLSQ PGQFFGDTCTSCRLFGIRFGDIILL
7008	70	1478	CRSALGHERPPPAHLPAAGRRRLQTCPRSCRNLGRPPSGLPPGPR SPPPLAGPGQKQVQKPAELQGFHRSFKQNPFFELAFSLDQPDH GDSDFGLQCSARPDMASQPIDIPDAKRGKRRGRATDSFSG RFDVYQLQSDVLEGAHARVQTCINLITSQYAVKIEKQPGH IRSRVFREVEMLYQCQGHNVLELIEFFFEEDRFYLVFEKMRGG SILSHIHKRRHFNLEASVVQDVASALDFLHNKGIAHRDLKPE NILCEHPNQSPVKICDFDLGSGIKLNGDCSPISTPRLTTPCGS AEYMAPEVVEAFSEASIIDKRCDLWSLGVILYLLSGYPPFVG RCGSDCGWDRGEACPAQNMLFESIQEGKYEFPDKDMAHISCAA KDLISKLLVRDAQRQLSAAQVLQHPWQGCAPENTLPTPMVLQR WDSHFLLPHPPCRIVHVRPGGLVRTTVNE
7009	1	626	ARQLRNSWVDDFVAAPLIPLSQOITPGNSLYESYYKQVDPAYTG RVGASEAALFLKKSGLSDIILGKIWDLADPEGKGFLLDKQGFYVA LRLVACAQSGHEVTLSNINLSMPPPKFHDTSPLMVTTPSAEAH WAVRVEKAKFDGIFESLLPINGLLSGDKVKPVLAMNSKLPDLVL GRVNDLSDIDKQGLHVRDEFAVAMHLVYRALE
7010	79	571	SHTRRVAVVPETLLSPLCPILGGGTAMSGGEQKPERYYVGVDTGT GSVRAALVDQSGVLLAFADQPIKNWEPQFNHHEQSSEDIWAACC VVTCKVVGIDLNQIRGLGFDATCSLVVLDKQFHLPLPVNQEGDS HRNVIMWLDHRAVSQVNRINETKHSVLQYVGG
7011	3	994	RIQTLPNQNSQTOPLKTPPAVLQPIAPQTTFGVQTPQPPQSL LQAQISAASITPLQTOPLQPPQKAGLLQPPVRIVSQPPQ ARRLOPPSRFSGRNDRGDQVPRKDRSRERERRRRSRERSPO RKRSRERSPRRERERSPRRVRVVPYTVQFSKPSLDCPSDDMM ELRRRYONLYIPSDFFDAQFTWDAFPLSRPQLGNFCNFYVMH

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			REVESLEKNMAILDPPDADHLYSAKVMLMASPSMEDLYHKSCAL AEDPQELRDGPOHPARLVKFLVGMKSKDEAMAIGGHWSPSLDGP DPERKPSVLIKT\AIRCCCKALTG
7012	1	2661	RRAGSVKRGEARLFGPTTERQSERPLRPSAARRPEMLSGKKA AAAAAATGTEAGPGTAGGSENGSEVAAPAGLSGPAEVP VGERTPRKKEPPRASPPGGLAEPGSGAGPQAGPTVVP TGIAETPEG\RRTSRRKRKRVYREMDSELANLSEDEYYSEER NAKAEKEKKLPPPPQAPPEEENESEPEEPPSGVEGA DRMTSQEAACFPDIISGPOQTQKVFLFIRNRTLQWL TFEATLQQLRAPYNSDTVLVHRVHSYLERHGLINFGIYKRIKPL PTKKTGRVIIIGSGVSGLAARQLQSGFMDVTLLEARDRVGG ATFRKGNVADLGAMVVTGLGPNMAVVSQVNMELAKIKQKCP LYEANGQAVPKKDEMEVEQEFNRLLEATSYLSHQLDFNVLNKP VSLGQALEVVIQLQEKHVQDEQIEHWKKIVKTQBELKELNKMV NLKEKIKELHQYQYKEASEVKPPRDITAEFLVSKHRDLTALCKE YDELAETQGLKEKLEQLEANPPSDVYLSRRDRQILDWHPANLE FANATPLSTLSLKHWDQDDDFEFTGSHLTVRNGYSCVPVALAEG LDIKLNTAVRQVRYTASGCEVIAVNTSTSTQTFIYKCDVLC PLGVLKQPPAVQFVPPPLPEWKTSAVQRMGFGNLNKVVLCFDRV FWDPSVNLFGHVGSTTASRGELFLFNNLYKAPILLALVAGEAAG IMENISDDVIVGRCLAILKGI FGSSAVPQPKETVVSRRADPWA RGSYSYVAAGSSGNDYDLMAQPIITPGPSIPGAPQPIPRLPFFAGE HTIRNYPATVHGALLSGLREAGRIADQFLGAMTYTLRQATPGVP AQQSPSM
7013	1	2661	RRAGSVKRGEARLFGPTTERQSERPLRPSAARRPEMLSGKKA AAAAAATGTEAGPGTAGGSENGSEVAAPAGLSGPAEVP VGERTPRKKEPPRASPPGGLAEPGSGAGPQAGPTVVP TGIAETPEG\RRTSRRKRKRVYREMDSELANLSEDEYYSEER NAKAEKEKKLPPPPQAPPEEENESEPEEPPSGVEGA DRMTSQEAACFPDIISGPOQTQKVFLFIRNRTLQWL TFEATLQQLRAPYNSDTVLVHRVHSYLERHGLINFGIYKRIKPL PTKKTGRVIIIGSGVSGLAARQLQSGFMDVTLLEARDRVGG ATFRKGNVADLGAMVVTGLGPNMAVVSQVNMELAKIKQKCP LYEANGQAVPKKDEMEVEQEFNRLLEATSYLSHQLDFNVLNKP VSLGQALEVVIQLQEKHVQDEQIEHWKKIVKTQBELKELNKMV NLKEKIKELHQYQYKEASEVKPPRDITAEFLVSKHRDLTALCKE YDELAETQGLKEKLEQLEANPPSDVYLSRRDRQILDWHPANLE FANATPLSTLSLKHWDQDDDFEFTGSHLTVRNGYSCVPVALAEG LDIKLNTAVRQVRYTASGCEVIAVNTSTSTQTFIYKCDVLC PLGVLKQPPAVQFVPPPLPEWKTSAVQRMGFGNLNKVVLCFDRV FWDPSVNLFGHVGSTTASRGELFLFNNLYKAPILLALVAGEAAG IMENISDDVIVGRCLAILKGI FGSSAVPQPKETVVSRRADPWA RGSYSYVAAGSSGNDYDLMAQPIITPGPSIPGAPQPIPRLPFFAGE HTIRNYPATVHGALLSGLREAGRIADQFLGAMTYTLRQATPGVP AQQSPSM
7014	3	3950	DPEVGDKIRIILATLEDGWLGLSKGRGTGIFPYRKFVLC ETMALPQEGSLARIPETSLDCLNTLGVEEQRHETS CIILSEAPTSPLGHLTSEYDTRNSYQDEDTAGGPPRS PLATDSPTSDPTVVNGISSQPQVFFHPNLQKSQYYS HSEQYPDLLPLEARTRDYASLPPKRMYSOLKTLQK SVSASRVVKPRQSSPOLHNLASYTKKHHTSSVYS PQAQGLVMEAAHSGQDGSGLDLSKLTQQLIEFEKSL DKILRHFSIMDFNSEKDIVRGSSKLITEQELPERK PCTPVSTSPHLLVDQNLKPAPPLVVRPSRPAPLP SPKLLSRHPTCETLEKEGPGHMGSLDQTSPCPLV RDLDMSYRAQSEINLMLEKQDESSRAETLEDLKF CRSNIESLN

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			<p> MELQQLRRLTLLSSQSSSLVAPSGSVSAENPEQRMLEKRAKRVIE ELIQTERTYIRDLEMCIERIMVPMQQAQVFNIDFEGLFQNMOMV IKVSKQLLALEISDAVGPVFLGHRDELEGTYKIYQCNHDEAIA LLEIYEKDEKIQKHLQDSLADLKSLYNEWGCTNYINLGSFLIKP VQRMRYPLLLMELLNSTPSEHPDKVPLTNAVIAVKBEINVINE YKRRKDLVLKRYRGDEDSIMEKISKLNTHSIKKSNRVSSHLLKH LTGFAPQIKDEVFEETENFRMQRERLIKSFIRDLISLYLQHIRE ACVKVVAVSMNDVCMERGHRLDEQFERVHYISDQLFTNFKER TERLVISPLNQLLSMFTGPHKLVQRFDKLLDFYNCTERAELK DKKTLEKLQSAARNNYEALNAQILLDELKPFHQYAGGLEFNCVHG ASAHCEVHQALEQLKPLLSLLKLVAGREGNLIATPHEEHSRLVQ QLQVFTFFPESLPATKKPFERKTIDRQSARKPLGLPSYMLQSE ELRASLLARYPPKFLQAERNFNAAQDLVSLLEGDLVGVIKKK DPMGSGNRWLDINGVTGKGVYSSFLKPYNPRRSHSDASVGS TESEHSGSSSRPFRQNSGSLTFNPN\8\MAVSFTSGSCQKQKP DASPPPKEDWQGTLSALNPSNSESPPSRCPSPDSTSPRSGD SADVARDVKQPTATPRSYRNFHPEIVGYSVPGRNGQSQDLVKG CARTAQAPEDRSTEEDGSEAGNQVYFAVYTFKARNPELSVSA NQKLKILEFKDVTGNTENWLAENVNGKGVPSNYIRKTEYT </p>
7015	1842	513	<p> RQAWHE\VAAPSWRGARLVQSVLRVQVGFHVARERVI PPSLL GFRRRCVSCVAGSAPSGPRLASASRNGQGSALDHFGLGFSQPS SVTPCVPVSMNRDEQDVLVHHDPMPNSRVLRLVLLGAPNAG KSTLSNQLLGRKVFVPSRKVHTTRCQALGVITEKETQVILLDT GIISPGKQKRHHLELSLLEDPWKSMESADLVVVLVDVSDKNTRN QLSPQLRLCTKYQIPSVLVMNKVDCLKQKSULELTAALTEG VVNGKLLMRQAFHSHPGTHCPSPAVKDPNTQSVGNPQRIGWPH FKEIFMLSALSQEDVTKLQYLLTQAQPGPWEYHSAVLTSQTPB EICANI IREKLLBHLPOEVYVNVQKTAVWEEGPGGELVIQKQ LVPKESYVKLLIGPKGHVISQIAQAGHDLMDFICLDVDIRLSV KLLK </p>
7016	167	2513	<p> ILNAPKPPPPRDSVEAFAAKRDTGGGSGWTGMDVSGQETDWRST AFRQKLVSQIEDAMRKAGVAHSSKSSKDMESHVFLAKTRDEYLS LVARLI IHFRDIHNKKSQASVSDPMNALQSLTGGPAAGAGIGM PPRGPGQSLGEMGLGAMGQPMSLSGQPPPGTSGMAPHSMVAVS TATPQTQLQIQVAAAAAATARSSSSSSSRRYSSSSSSSSSKQ FQAQSSAMQ\QFOA\VVQQQQQL\QQQQQQQILIKLHONQQ QIQQQQQQLQRIQQLQQLQQQQQQQQQQQQQALQAPPIQPP PMQQPQPPPSQALPQQLQMHHTQHHPPPQPPQPPVAQNQPSQ LPPQSQTQPLVSAQALPGQMLYTPFLKFRVRAEMVQPPVQPP QVQQQQTAVQTAQAQMVAPGVQVQSLSLPMLSPPSPGQQVQTP QSMPPPPQPSQPPQSSQPNVSSQAPSPSSFLPSPPSPQPF \QSPVTARTPQNFVSPSGPLNTPVNPSSVMSPPAGSSQAEBQQY LDKLKQLSKYTEPLRRMINKIDKNEDRKKDLKMKSLDILTD SKRCPLKTLQKCBIALEKLENDMAVPTPPPPVPTKQYLCQ LLDVLANIRSPVFNHSLYRTFVPAMTAIHGPPITAPVVCTRK RLEDDERQSI PSVLQGEVARLDPKFLVNLDPHCSNNGTVHLIC KLDKDLPSVPPELSVPADYPAQSPWLIDRQWQYDANPFLQSV HRCMTSRLQLLPDKHSVTALLNTWAQSVHQAQCLSA </p>
7017	1	1785	<p> INLENTCYMNSVI*ALFMATDPRRQVLSNLNGCNSLMKLOHL PAFLAHTQRRAYAPRIFFRASRPWFTPRSQDQCSEYLRFLDR LHEEEKILKVQASHKPSLELBCSETSLQEVASKAAVLTETPRTS DGEKTLIEKMPGGKLRTHIRCLNCRSTSQAFAFTDLSLAFWPS YSLEYMSCPDCSQSPSIQDGLMQASVPGPSEEPVYVNPPTAFA ICDSLUNEKTTIGSPNEFYCSNTSVNENSKILVNKDVPQKPG GRTTPTSDLLNYFLAPEILTGDNQYVCNCASIQNAEKTMQIT REPEYLLILTLLRFSYDQKYHVRKILDNVSLPLVLELVPKKRITS </p>

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			FSSLSBSWSVDVDFDLSLENLAKKLKPSGTDEASCTKLVPYLLS SVVHSGISSSESGHYYSYARNITSTDSSYQMVHQSEALALASSQ SHLLGRDPSAVFBDLENKRMSKEWFLFNDNRVTFTSPQSVQK ITSRFPKDTAYVLLYKKQHSNTGLSGNNPTSLGLWINGDPPLOKE LMDAITKDNKLYLQEQELNARARALQASASCSFRPNGFDNDP PGSCGPTGGGGGGGFTVGRVLF
7018	484	1066	SLVFRGNTWSGEAGHHCALFNLAAYHQLFVGTERIRAPETIFQ PSLIGBEQAGIAETLQYILDYRKDVQEBMLVQNVFLTGNTMYP GMKARMEKELLEMRRPFRSSFQVQLASNPVLDWYGARDWALNHL DDNEVWITRKEYBKGGEYLKREHCASNIYVPIRLPKQASRSSDA QASSKGSAAACGGGAGEQA
7019	1048	335	APGGFLVTMVFAPSPFPMGLGCCSHVETAGPPTLCKDMSALVAA RMRHIPLAPGSDWRDLNIEVRLSDGTMARKLRYTHHDKRNGRS SSGALRGVCSCEAGKACDPAARQNTLIPWCLPHTGNRNHWA GLYGRLEWDGFFSTTVTNPEPMGKQGRVLHPEQHRVVSVRRCAR SQGFPTDYRLFGNILDHRQVGNVPPPLAKAIGLEIKLCMLAK AREASAKIKEEEAAKD
7020	1	2154	PADSKRKSVLDDKIKNLQVALTSKQSELTAMSFVARNTFKRVR NGPLMRKVAVFFSNTPTTRASPQLREAVLKLSDAGITPLFLTRQE DRQLINALQINNTAVGHALVLPAGRDLTDFLENVLTCHVCLDIC NIDPSGFGSWRPSFRDRRAAGSDVDIDMAFLDSEATTTLFQF NEMKKYIAYLVRQLDMSDPKASQHFARVAVVQHAPSESVDNAS MPPVKVBFSLTDYGSKEKLVDPLSRGMTQLQGTALGSAIEYTI KNVFESAPNPRDLKIIVLMTGEVPEQQLEEAQRVILQAKCKGY FFVVLGIGRKNIKKVYTFASBPNDVFFKLVDKSTELNEEPLMR FGRLPSFVSSENAFYLSPIRDKQCDWFGQDQPTKNLVKFGHKQ VNVNNVTSSPTSNPVTITKPVTTTKPVTTITKPVTTITKPVTI INQPSVKPAAAKPAPAKPVAAPVATKTATVRPPVAVKPATAAK PVAAPAAVRRPAAAAAPVATKPEVPRPQAAKPAATKPAATKPK MVKMSREVQVFEITENSAKLHWRPEPEPGPYFDLTVTSAHQSH LVLKQNLTVTDVIGGLLAGQTYHVAVVCYLRSQVRATYHGSFS TKKSQPPPPQPARSASSSTINLMVSTELALTDICKLKPDEG TCRDFILKWYDPTNKS CARFWYGGCGGNENKFGSQKBEKVCVA PVLAKPGVISVMGT
7021	2	338	VNAVSPFPNGYAFATGSDDATCRLFDLRADQELLLYSHDNIICG ITSVAPSKSGRLLLAGYDDFNCNVWDTLKGDRAVLGHDNRVS CLGVTDDGMAVATGSWDSFLRIWN
7022	2	856	VYIGSPWSPHLLIPDMRKLFEAEQDLPRDIQSLPRNAALRKLN DLIKRARLAKVHAYIISLKKEMPSVFGKDNKKKBLVNNLAETI GRIERHQISPGDFPNLKRMDQLQAQDFSKFQPLKSKLLEVVD DMLAHDIAQLMVLVRQESORPIQMVKGGAFTGLHGPFGHGYG EGAGEGIDDAEWWVARDKPMYDEIFPYTLSPVDGKITGANAKKEM VRSKLPNSVLGKIWKLADIDKDGMLDDDFALANHLIKVKLESH ELPNELPAHLLPPSKRKVAE
7023	2	748	AMVFGGVVPVPQYRDIRRTQADGFSTYVCLVLLVANILRILF WFGRRFESPLLWQSAIMILTMLMLKCLTEVRVANELNARRRSF TAADSKDEBVKVAPRRSFLDFDPHFHFNQWSSFSYVQCVLAFGTG VAGYITYLSIDSALFVETLGFVAVLTEAMLGVPQLYRNHRHQST EGMSIKMVLMTSGDAFKTAYFLKGAFLQFSVCCGLLQVLVDLA ILGQAYAFARHPQKPAPHAVHPTGTAL
7024	1207	190	RTGVTGVVAQVVMFSGGGVLSGGEQLQMPVKPERGLGPSDGWL SSRRGSPGTVLGLPFWLLTPVLVRSIRSMILLTRESPTAWHRLS QLKPPVLPCTLGGQALHLRSWLLSRQGPARTGGGQGPQGPGLRT RLITGLFCAGLGGAWLALRAEKERLQQKRTALRQAAGVQGD FHLDDRGRARCKADFRGQWVIMYFGFTHCPDICPDELEKLVQV VRQLKARPGLPPVQPVFITVDPERDDVEAMARYVQDFHPRLLGL

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			TGSTKQVAQASHSYRVYNNAGPKDSDQDIYVDHSIAIYLLNPDG LFTDYIYGRSRSAEQISDSVRRHMAAFRSVLS
7025	232	832	ERNSTPTGNENI.*K\HSLDCLCFRGDWEGNTQFQTLQDNQBECE KQVIRTCEKRPTEFNQHTVFNHQLRLNTGDKLNEFKELGKAFISG SDHTQHQLIHTSEKFCGDKCCGNTFLPDSEVIQYQTVHTVVKTY ECKECGKSFSLRSSLTGCHKRIHTGEKPKCKDCGKAPRPHSOLS VHKRIHTGEKSYECKECGKAFSCG
7026	328	1146	NPNPSIGDINDIKKAASMLDPAKSHFHPVTPSLVPLCFIFDG LHQALLSVGVSKRSNTVVGNEENERGTPYASRFKDMFNFIALRK SSVLRHCCDLLIGVAAGSSDKICTSSLQVQRRFKAMASIGRLS HGESADLLISCNAESAIGWISSRPWVGELMFTFLFGDFESPLHK LRKSS*LPRKHR*QPINAVRMFLDQCMDGSIALRAIVSEIPVFR BKKNNG*KGIGEIF*VWCCTLPPHYWGAVTTNVPKLSNSGKLLG QDEQPHIFG
7027	43	954	GRRLQQQRPEDARDGAEGGKRGKAGWEGGYPEIVKENKLFPH YYQELKTIVPEGEWGQFMDALREPLPATLRITGYKSHAKEILHCL KNKYFKLELDLEMDGQKVEVPQPLSWYPERLAHTNLKILRK SPHLEKHFQFLVSETESGNISRQEAUSMIPPLLNVPRPHKILD MCAAPGSKTTQLEMLHADMNVPFPEGFVIANVDNKRCCYLNVH QAKRLSSPCIMVNHDAASSIPRLQIDVDGRKEILFYDRILCDVP CSGDGTMKKNIDVWKWTTLNLSLQLHGLQLRIATRGAEOL
7028	189	608	SRPPPEPEPGTMVEKGSDDSEKGGVPGTPTQSLGSRNFIKNS KMQQSWYSMLSPYKQRNEDFRKLFSLPEAERLIVDYSCALQR BILQLGRLLSENNICFYSNIFRWETTISIQLKEVTCLEKKEKTA KLIPNAIQ
7029	1343	40	VLESNTAKQATCTSSKLRHGTGQEKGREOPRCPSGLAQLRLWG /PCPHAGRETGPRASAPIPGS*GHGWHW*RKDGRGERSEGPSAL SPHSFSLLMQOAPTHVPGMGSGORPRSSVVEQVGVGSOLGRE RWRA*RSPLGAASERTEMTKERSP/RPCQGYDSSNWFTQPGKK TKRNSRRNTMVSRRGGCLLYPLQSIMPR*QLR*GAHASPTTQ R*GKGGPRSPFLTKASGTHIPTFPFGSIP/RPTRDSGPGTDNS\ AAPGQKRGHREA*QSGPEV/WGRVTTTLQGPAG*TKPLGS/RNW VPGPAEGEQEGAGLEGPR*PLKGCSTLTFSPLQSI PMVGKKP PEGTTASFPF\RSCHSE*RKPPSPCPHAPALSPLPHPLPLPLPL PLPLPGAGT*HSARSGRPGQSETGSLCHNCHCPHCPKCSPPG T
7030	2	521	FVCPSAPGSGGGKRRVNMELSAVGGERVFAAEALLKRRIRKGRM EYLWKWGWSSQKYSTWRPEENILDARLLAAFEEREREMELYGPK KRGPKPKTFLLKAQAKAKAKTYEFRSDSARGIRIYPYGRSPQDL ASTSRAREGLRN\RVCPRQRAAPAPAP\PRRGPSGPGPRPG*G PGLHFPGPGGPKHGFVPASEQHQQHQLPRRGPSGPGPRPG
7031	960	59	HCSVPGAEPWRKPPAQCIPQLTSRPHLSSPSLSLSPGCGHSPGPG /CKPS/RHCDLHGGPSRTAALPCGKPOPKHGVVECG/PCPCLA PRRLTEPPALTVPVGRAPSGAL*PSGRACSACSHRLAPBAAL SAAAPRPSLGGQNASGLPAASLPPQDSSQPHKTVPSPARSVPP LGAQARAAPPRLWCPRALVSG*EASPEAVSVAAGPPVPGPTPST SGSTASHSRRCG*SPR*TPAPPRRDHGRSAAFEVLTAASAQPC ASQGGPRPTAGRTPSPLGLPFSRGPPAASARPFCHRPST
7032	1393	2104	RRPGRTPEVEPPVPPPPRASNSKSRCR*RNHLAPL*QSPLRK SRQIGTSSLPFGRSAGERPRPAATFCLSRGGSSPVFL*PSSSSL EPNMMKQFGRHLHSLPWKSWQKMNSFLLTPLKDTSLMSGWRYRQR LPRLHTFLKKSQMASLAPPLTPAPLASSLPPPPGPPPLPLPV PLA*LSRSGILVPPNSGFSLSL\PLGDH*GSSGVRGSCGSPFP HHCWVLPPPP*LLPPR
7033	689	815	RSRDCLSSTATSNRRARRKCSGPKRATPLDSGPGP*APPGPSSA

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			LMPSSCPWRTGALGPSAGSRALGRCCTSSVGPSSRWLRTSSP GCATRTWRTMRMEPRPLRSRMGESAPGIPAEPLSAAPSGPSAPS AAAPSAPTTPAAGPNTL*SRRTAENWCWPPSCCCWGC*SWSA WDWRRPPLQVSPAPSSSCRASCCWCLESIT*SSSTARSRAATGAS SSSTCPTSRSDRGAATP\SPMGAPLLPCSVPLISREELQDPR NPSP*GVCSGSSGHAGLALGKPPVACSV
7034	92	1942	EDTSSMPFRLLIPLGLLCALLPQHGGAPGPGSAPDPAHYRERV KAMFYHAYDSYLENAFFDELRLPLTCOGHDTWGSFSLTLIDALD TL\TLFYFQILGNVSEFQRVVEVLQDSVDFDIDVNASVFBTNI RVVGGLLSAHLLSKKAGVEVEAGWPCSGPLLRMAEEAARKLLPA FQTPGMPYGTVNLHGVNPGETPVCTAGIGTFIVEFATLSSL TGDVPFEDVARVALMRLWESRSDIGLVGNHIDVLTGKVAQDAG IGAGVDSYFEYLVKGAILLQDKKLMAFLEYNKAIRNYTRFDDW YLWVQMYKGTVMSPVQSLAAYWPGQLSLIGDIDNAMRTFLNYY TVWKQFGGLPEFYNIPOGYTVKREGYPLRPELIESAMYLYRAT GDPTLLELGRDAVESIEKISKVECCFATIKDLRDHKLDMRMESF FLAETVKYLYLLFDPNTFIHNNGSTFDAVITPYGECILGAGGYI FNTAHPIDPAALHCCQRLKEQWEVEDLMREFYSLKRSRSKFKQ KNTVSSGPWEPPARPGLTSPENHDQARERKPAKQKVPILLSAPS QPFTSKLALLGQVFLDSS*PLDNFFIFIPLRLNYNKLLLAIIKK K
7035	92	1942	EDTSSMPFRLLIPLGLLCALLPQHGGAPGPGSAPDPAHYRERV KAMFYHAYDSYLENAFFDELRLPLTCOGHDTWGSFSLTLIDALD TL\TLFYFQILGNVSEFQRVVEVLQDSVDFDIDVNASVFBTNI RVVGGLLSAHLLSKKAGVEVEAGWPCSGPLLRMAEEAARKLLPA FQTPGMPYGTVNLHGVNPGETPVCTAGIGTFIVEFATLSSL TGDVPFEDVARVALMRLWESRSDIGLVGNHIDVLTGKVAQDAG IGAGVDSYFEYLVKGAILLQDKKLMAFLEYNKAIRNYTRFDDW YLWVQMYKGTVMSPVQSLAAYWPGQLSLIGDIDNAMRTFLNYY TVWKQFGGLPEFYNIPOGYTVKREGYPLRPELIESAMYLYRAT GDPTLLELGRDAVESIEKISKVECCFATIKDLRDHKLDMRMESF FLAETVKYLYLLFDPNTFIHNNGSTFDAVITPYGECILGAGGYI FNTAHPIDPAALHCCQRLKEQWEVEDLMREFYSLKRSRSKFKQ KNTVSSGPWEPPARPGLTSPENHDQARERKPAKQKVPILLSAPS QPFTSKLALLGQVFLDSS*PLDNFFIFIPLRLNYNKLLLAIIKK K
7036	442	761	CLAPLFSCFQIINLHAPSGRLRWANLRGPGRN*LPGEGPSIPT RNW*ERKAGCSQPC/PAQQHGRPPGVSPLRDPHPPTLRPLPP PPPPPPPPRRPRNRPG
7037	442	761	CLAPLFSCFQIINLHAPSGRLRWANLRGPGRN*LPGEGPSIPT RNW*ERKAGCSQPC/PAQQHGRPPGVSPLRDPHPPTLRPLPP PPPPPPPPRRPRNRPG
7038	155	891	GAGAASDMSSGLRAADFPRWKRHISEQLRRRDRLQQAEEIIL QYNKLEKSDLHSLVAQKLAQEKHDVFNREHISPGHDTWNDNQ LQEMAQLRIKHQBELTELHKKRGELAQ\RVIDLNNQMQRKDREM QMNEAKIAECLQITISDLETECLDLRTKLCLELANQTLKDEYDA LQITFTALEGLRKTTEENQELVTRWMAEKAQANRLNARB*KR LQEAASPAERACRSSKGTSTSTRTG
7039	155	891	GAGAASDMSSGLRAADFPRWKRHISEQLRRRDRLQQAEEIIL QYNKLEKSDLHSLVAQKLAQEKHDVFNREHISPGHDTWNDNQ LQEMAQLRIKHQBELTELHKKRGELAQ\RVIDLNNQMQRKDREM QMNEAKIAECLQITISDLETECLDLRTKLCLELANQTLKDEYDA LQITFTALEGLRKTTEENQELVTRWMAEKAQANRLNARB*KR LQEAASPAERACRSSKGTSTSTRTG
7040	34	789	KITPPRRPHRCSSGHGSDNSSVLSGELPPAMGKTALFYHSGSS GYESVMRDSEATGSASSAQDSTSENSSVGGRCRSLKTPKKRSN

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			PGSQRRRLIPALSLDTSFPVRKPPNSTGVRWVDGPIRSSPRLG EPFEIKVYEIDDERLQRRRGASKEAMCFNAKLKLEHRQQRRI AEVRKYEWLMKELEATKQYLMIDPNKWLSEFDLEQVWELDSLE YLEALECVTERLESRVNPFCKAHLMMITCFDIT
7041	1	567	SGRVAMGRRRAPAGGSLGRALMRHQTRSRSHRHTDSWLHTSEL NDGYDWGRNLQSVTEQSSLDPLATAELAGTEFVAEKLNIKFPV PARARTGLLSPEBSQRIKKLHKKNKQFLCIPRRPNWNQNTTPBE LKQAEKDNFLEWRRQL\VRLEEBOKLILTFFERNLDFWRQLWV IERSDIVVQIVDA
7042	7	345	PTHMAAALRADT\ISPLFPPIQGYLLLSASHG\ATSLHTKGAL PLETVTMTYVIPKSKYVLVKPDTQYPSENLDEFKRLAENSASN DDLLMARVAISDYGDKLTLBLEREKY
7043	2	2170	ARGMAARDSSEEDLVSYGTGLEPLEBGERPKKPIPLQDQTVRD EKGRIYKRFHGAFFSGGFSAGYFNTVGSKEGWTPTSPVSSRQNRAD KSVLGPEDFMDDEDLSEFGIAPKAIVTDDFASKTKDRIREKAR QLAATAPIPGATLLDDLITPAKLSVGFELLRLKMGWKEGCGVGP RVKRRPRRQKPDPGVKIYGCALPPGSSSEGEEDDDYLPDNVTF APKDVTVPDFTPKDNVHGLAYKGLDPHQALPGTSGEHFNLFSGG SERAGDLGEBIGLNKGRKLGISGQAFGVGALEESDDIYATETLS KYDTVLKDEPGDGLYGWNTAPRQYKNQKESKDLRYVVGKILDDGF SLASKPLSSKKIYPPPELPRDYRPVHYFRPMVAATSENSHLLQV LSESAGKATPDPGTHSKHQLNASKRABLLGETPIQGSATSVLEF LSQDKERI KEMKQATDLKAAQLKARSLAQNAQSSRAQPSAAA AGHCSSWNMALGGGTATLEASNFKPFKADPEKQKRYDEFLVHMKG QQKDALERCLQPSMTIEWERGERDEFAAALLYASSHSTLSSRF THAXEEDSDQVEVPDQENDVGDQSAVKMKMPGKLTRDTPFW HPDKLLFQ/RLVGLPRVKRDKYSVFNFLLPETASLPTTQASSE KVSQHRGPDKSRKPSRWDTSKHEKKEDSISEFLRLARSKAEPK QSSPLVNKEEHAPELSAN
7044	276	734	EVYLTDEFAKGRKVADLYELVQYAGNIIPRLYLLITVGVVYVKS FPQSRKDIKDLVEMCRGVQHPRLGLFLRNYLLQCTRNILPDEG EPTDEBTTGDISDSMDPVLNFAEMNKLWVRMQHQHSRDRER ERERQRLRLVGTNLVRLSQV
7045	3	513	LGFKMEALS RAGQEMSLAALKQHDPPYITSIADLTGQVALYTPCP KANQWEKTDIEGTLFVYRRSASPHYGFTIVNRLNMHNLVFPVK DLEFQLHEPFLLYRNASLSIYSIWFDKNDCHRIAKLMADVVEE ETRRSQQA/RSGQTESQPGQWLQRPQAHHPGDAEQSQG
7046	3	513	LGFKMEALS RAGQEMSLAALKQHDPPYITSIADLTGQVALYTPCP KANQWEKTDIEGTLFVYRRSASPHYGFTIVNRLNMHNLVFPVK DLEFQLHEPFLLYRNASLSIYSIWFDKNDCHRIAKLMADVVEE ETRRSQQA/RSGQTESQPGQWLQRPQAHHPGDAEQSQG
7047	103	486	QMKIEKCSWSEGLTSIKGNCHNPHYTAISKDVYKELKNLLNSKN IMLIDVREIWEILEYQKIIPESINVPLDEVGREALQMNPRDFKEKY NEVKPSKSDS/IVFSYLAGVRSKKALDTAISLGFHSYYER
7048	92	627	FFCLTLSSWDYRHATERVVISSPVFTMEDSGKTFSSSEEBANY WKDLAMTYKQRAENTQELREFQEGSREYEALETQLQOIETRN RDLLSENNRLRMELETIKKFEVQHSSEGYRQISALEDDLAQTKA IKDQLQKYIRELEQANDLERAKRATDHGLSKTPE\QRLN\QAI EKKW
7049	393	938	KRTGSASYGGPPPGGLGGPATXASVAGRCSSVGKI PARRCYEDEL VPVFEAVGRIYELRLMDFGKNRGYAFVYCHKEAKRAVREL NNYEIRPGRLLGVCCSDNCRIFIGGI PKMKREBIEBIAKVT EGVLDVIVYASADKMKNRGLRLRGVREPPRGCHWLGRKLIAMX ASSLWG
7050	393	938	KRTGSASYGGPPPGGLGGPATXASVAGRCSSVGKI PARRCYEDEL

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			VPVPEAVGRIYELRLMDDFDGKNGYAFVMYCHKHEAKRAVREL NNYEIRPGRLLGVCCSVDCRLFIGGIPMKKREILIEIAKVT EGVLDVIVYASADKMKNRGLRLRGVREPPRGCHWLGRKLIAX ASSLWG
7051	119	816	KKMLARICDNAKKGREYALIGNYDSSMVYYQGVMOQIQRHCS VRDPAIKGKWQVRQELLEEYEQVKSIVGTLESFKIDKPPDPFV SCQDEFFRDPAVWPPPPVPAEHRAPPQIRR/RQSRKSTSEERNGR SRSPGTCRPST\PISKSEK*STSRDKOYRARGRDDKGRKNMQDG ASDGEMPKFDGAGYDKDLVEALERDVSRRNPSIHWDIADLBEA KLLREAGVLPMM
7052	467	715	SCPGRGKMSKLLNPREMTSRDYFFDSYAHFGIHEEMLKDEVRTL TYRNSMYHNKHVFKDKVVLVDVSGGTGILSMFAARQGP
7053	467	715	SCPGRGKMSKLLNPREMTSRDYFFDSYAHFGIHEEMLKDEVRTL TYRNSMYHNKHVFKDKVVLVDVSGGTGILSMFAARQGP
7054	1	1036	GTSQRSRETDARRRSAGAEPTARLPWDALEEWSPSCPCPELOPG RRCRWDMAMHYDEKLARFQAHLNPPNKQSGPRQHEQGPGEVVD VTPBEALPELPPGEPEFRCPERVMDLGLSEDFSRPVGLFLASD VQQLRQAIBECKQVILELPEQSEKQKDAVVRLIHLRLKQLKQD PNEDEPNIRVLEHRFPYKEKSKSVKQTCDCNCTIIINGLIQTWYT CTGCYYRCHSKCLNLISKPCVSSKVSCHOAEYELNICPTGLDSQ DYRCAECRAPI/CS/DGVVPSEARQCDYTGQYYCSHCHWNDAV IPARVVHNDWFBRKVSRCMSRYLALMVSRVLRRLREIN
7055	2	527	DSRRVSWRSWLANE/WGKHLCLFIWLSMNVLFWKTPLLYNQGP EYHYLHQMIG/ALCLSRASAVLNLCSLILPMTCTLLAYLRG SQKVPSSRRTRRLDKSRTFHTTCGATICIFSGVHVAHLVNALN FSVNYSEDFVELNAARYRDEDPKRLLETTVPGLTGVCMEVVLFL M
7056	2	527	DSRRVSWRSWLANE/WGKHLCLFIWLSMNVLFWKTPLLYNQGP EYHYLHQMIG/ALCLSRASAVLNLCSLILPMTCTLLAYLRG SQKVPSSRRTRRLDKSRTFHTTCGATICIFSGVHVAHLVNALN FSVNYSEDFVELNAARYRDEDPKRLLETTVPGLTGVCMEVVLFL M
7057	1368	431	GYLHVNEKIPTPTCIGDRQENDKENLNENHRDQELHLASCOA SGEVPSQASLRGFFTEDEPGCFGEENLPRAIQNIQDEGTGEQL SEQERISEKQLGQHLNPNHSGEMSTMWLEEKRETSQKQCPAPM AQKLPTRCGRKTFYRNSQLIPHQRTHTGETYPQCTICKKAPLR SSDPVKHQHTHTGEKPKCKDYCGKGFSDPSGLRHHEKIHTGEKP YKPCICEKSFQIRSNFNRHQVHTGEKPKYKCSHCGKSFWSSSL DKHQSHLGGKPPQ*PVTKLSFPISISQPSHKNTQLHQRELCR GYPC
7058	1	469	FSGFGAVPDALGCRMSDLRITEAFLYMDYLCFRALCKGPPPAR PEYDLVCIGLTGSGKTSLLSKLCSSEPDNVSTTGFSIKAVPFQ NAILNVKELGGADNIRKYWSRYQGSQGVIFVLDSASSEDLA ARN*SCTQLLQHPQLCTLPFLILA
7059	1	1178	WPAPFRQPAAMADALLGTGPRRARGCLGAAGPTSSGRAARTPA APWARPSAWLECVVTFDLELGQALELVYPNDFRLTDKESSEI CYLSPPDSHSGCLGDTQFSFRMRQCGQSRPWHADDRHYNRAP VALQREPAHYFGYVYFROVKDSSVKGYPQKSLVLVSRLPFVRL FQALLSLIAPYFDKLAPCLEAVCSIDQWPAPAPGQTLNLPVM GVVQVRIPSRVKSESSPPKQPDQENLLPAPVVLASVHELDLF RCFRPVLTMTLWELMLLGEPLVLAPSPDVSSSEMVIALTSCL QBLRFCCDPRPYTFTHDSEFKRPTTRTQAPPNVVLGVNTPFFIK TLQHNPHILRVGEPKMSGDLPEKQVKKKPKV*RPWDTKP
7060	90	1670	SVNLPPSLWPWEAMDSTKSEPLKGSPEARDGNIYEKKLVNPSQ YRFEHLVTQMKWRLQGRGFAVYQIGVEDNGLLVGLAEEMRAS

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			LKTLHRMAEKVGADITVLREREDVDSDMPRKITEVLVRKVPDN QQFLDLRVAVLGNVDGKSTLLGLVLTQGEIDNGRGRARLNLFH LHEIQSGRTSSISFEILGPNKSGEVHNGINGTQWQTLRMGW*** RT*DGGRVWRLFEIV*MNALRGL*TSSAPLRKSMGNQLN*IKNG VKIKRQGHGPNGLGPGNSEGVGRARRH*GPWALGQVVNYSR TAERICSSSSKMITFIDLGHKKYLAHTTIFGLTSYCPDCALLV SANTGIAGTTREHLGLALALKVPFFIVVSKIDCAKTTVERTVR QLERVLKQPGCHKVPMVLTSEDDAVTAAQQAQSPNVPTIFTL SVSGESLQLLKVFNLPLPLTNSKEQBELMQQLTEFQVDEIYTV PEVGTVVGGTISR*IDLLATLPTQSPPIYSKTSWPKGGDPGI
7061	364	710	ARMPSPLGPPCLPMDPETTLEETARLRFRGFCYQEVAGPRE ALARLRRLCCQWLQPEAHSKEQMLEMLVLEQFLGLTPPEIQAW RQQRPGSPREAAALVBQLQHD*ARMPSPLGPPCLPMDPETT LEETARLRFRGFCYQEVAGPREALARLRRLCCQWLQPEAHSKE QMLEMLVLEQFLGLTPPEIQAWVRGQRPGSPREAAALVEGLQHD PQQLLG
7062	71	744	AKACTNLRRLHWSYFFCTPKHKLKSSQKDKVRQFMACTQAGER TAICYLTQNEWRLDEATDSFQNPDSLHRESMRNAVDDKKLERL YGRYKDPQDENKIGVDGIQQFCDLSDLPASISVLVIAWKFRAA TQCEFSRKEFLDGMTLGCDSMBKLKALLPRLEQELKDTAKFD FYQFTFTPAKNPGQKGLDL*MAGAYWKLVLGRFKFLYLWNTFL MEHH
7063	2	562	LRTVPDLGRRFRAMRTGQR*PELPDMNSLEQAEDLKAFERR LTEYIHLQPATGRWRMLLVSVCTATGAWNLIDPETQKVSF FTSLWNHFFFTISCITILIGLFPAGIHKRVVAPSIIAARCTVLA EYNMCDTGLKLLKPRPHVQ*QSSLIVMGLKIAFLRISDTAKS HKGFLRLRLDM
7064	300	884	RDTGSDPSSTRRLCSTCTCGH*PAEPIASPHPSRGTCPPASSAS SRRTGCWTCPPESGHAQARRSRASASRWGARGAVRSASVARGC SSRAGRWLETGRRRGPPACAAAGRLRGAP*AAPPTASVPAR CRCPAARTGAPAAATWLRRLSGLRAPALGRRSPGPSPKSAAP PLLTPLGAGRAGGSRRANS
7065	1	555	ATTTHSARRSGRGAABAAAASAAGGRQKQPDRAWEGRRTPGG RSQSEPKAPPQKRSAAAFASMAHSPVAVQVPGMNNIADPEEL FTKLERIGKSGFGEVFKGIDNRTQQVVAIKIIDLEAKDEIEDI QOEITVLSQCDSSYVTKYGSYLKGSKLWIIMBYLGGGSALDLL RAGPFDEFQ
7066	356	676	PGPQGFWRAREGGHPLDPADHPAPASLRSNVRAATMMQICDT YNQKHSLEFNAMNRFIGAVNNMDQTMVPSLLRDVPLADPGLDND VGVEVGSGGCGLEERTPP
7067	152	973	KENITMATEIGSPRFFHMPRFOHQAPROLFYKRPDFAQQQAMQ QLTFDGKMRKAVNRKTIDYNPSVIKYLENRIWQRDQDMRAIQ PDAGYYNDLVPPIGMLNPNMAVITKFEVTSNKKVCPVFVVRW TPBGRRLVTGASSGEFTLWNLTFNFETILQAHDSPVRAMTWSH NDMMMLTADHGGYVKYQSNMNNVQMFOAKKEAIRARFIHNTIP FSVVPVIMVKLPKCIILGABMHOLCQFLGNFLHPINTIFFVFT HSPFCWAPP
7068	222	816	DTMKEYVLLFLALCSAKPFFSPSHIALKNMMLKDMEDTDDDD DDDDDDDDDDNSLFPTRPRSHFFPDLFPMCPFGCCQYSRV VHCSDLGLTSVPTNIPFDTRMLDLQNNKIKEIKENDFKGLTSLY GLILNNKLTKEHPKAFITTKKLRLYLHNLSEIPLNLPKSL AELRIHENKVKIKQDTFKKK
7069	1147	1765	FRDHRRYFYVNEQSGESQWEPFDGEEEBESQAQENRDETLAKQ TLKDKTGDNSSTESSETSGSLCKESFSGQVSSSSIMPLTPFW TLQSNVFLQPLPLEMPPPPPPPPPPPPPPPPPPPPPPPPPPPPP

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			ERTKKGRKDKAKSKTKMPSLVKKWQSIQRELDEEDNSSSSSEED RVSTAQKRIEWWKQQLVSGMABRNANFEA
7070	1	547	DGTMEDSEAVQRTALIEQRLAQEEENEKLRGDARQKLPMDLLV LEDEKHHGAQSAALQKVKQERVRKTSLDLRREIIDVGGIQNLI ELRKKRKQKKRDLAASHPEPPEPEITGPVDETFKAAVEGK MKVIEKFLADGGSADTCDQFRRTALHRASLEGHMEILEKLLDNG ATVDFQ
7071	2	921	ARGTLRALETAKKVGKVGANGQKAAGPSADSVTENKIGSPPKTP VSNVAATSAGPSNVGTENSVFQKSSPFLTRVPAYPPHSENIQY FQDPTQIIPFEVPQYPTGYPPPTVPAGVAPCVPRFVRSNNV PESSLPASMPYADHYSTFSRDRMNSSPYQPPPPQYGPVPPV PSQMYAPVYDSRRIRWPPMYQRDDIIRNSLPPMDVMHSSVYQT SLRERYNSLDGYYSVACQPPSEPRITVPLPREPCGHLKTSCEEQ IRRKPDQWQYHTQKAPLVSTLFPVATQSPPTSTLNREGS
7072	2	921	ARGTLRALETAKKVGKVGANGQKAAGPSADSVTENKIGSPPKTP VSNVAATSAGPSNVGTENSVFQKSSPFLTRVPAYPPHSENIQY FQDPTQIIPFEVPQYPTGYPPPTVPAGVAPCVPRFVRSNNV PESSLPASMPYADHYSTFSRDRMNSSPYQPPPPQYGPVPPV PSQMYAPVYDSRRIRWPPMYQRDDIIRNSLPPMDVMHSSVYQT SLRERYNSLDGYYSVACQPPSEPRITVPLPREPCGHLKTSCEEQ IRRKPDQWQYHTQKAPLVSTLFPVATQSPPTSTLNREGS
7073	50	504	LAHGSFGVSDFFPAPAAFAHTLTSFSGSLSPQFRKPLGRAPAMP LVRYSKVVILGYRCVGTSLAHQFVEGEFSEBGDPTVENTYSKI VTLGKDFHLHLVDTAGQDEYSILPYSPIGVHGYVLVYSVTSLS HSFQVIESLYQKLLHEGHGK
7074	263	1003	VCPVLCTRQEPGHSSLVTFYGPKPTRRKEFLGHCTAAGKMNIS VLEETNYAELVLDVGRVTLGNSRKKMKDKLKKQNERVSRAM CALLNSGGGVIAEINEDYSYTKDGIOLDLENSFSNILLFVPE YLDFMONGNYFLIFVKSNSLNTSGLRITTLSSNLYKRDITSKV MNATAALEFLKDMKKTRGRILYLRPELLAKRPRVDIQENNMKAL AGVFFDRTTELDRKEKLTFTSTHVEI
7075	598	1005	NYINFFRKEYPPHVQKVEINPVRLSRLQGVIRIMKKTSESEQ VPEPIKKRVQKKRHCSTYQPTPLSPASKKCLTHLEDLQRNCRQ AITLNBSTGILLRTSIHQNSGGQKSQNTGLTTKKFYGNVNEKVP IDII
7076	279	1049	LQSESSNAEAGNEQRHEDQRSKRGWSKGRKKKPLRDSNAPK SPLTGYVRFMNERREQLRKRPEVFFPEITRMLGNEWSKLPPEE KQRYLDEADRDKKRYMKLEQYQKTEAYKVP SRKTQDRQKGS RQDAARQATHDEKETEVKERSVFDIPIFTEEFNLHNSKAREBEL RQLRKSNNMEFEERNAALQKHVESMRTAVEKLEVDVIQERSRNTV LQQHLETLRQVLTSSPASMPLEKGETPTVDTIDSYM
7077	3	1119	SSMGSSNEINGLALRKTDKYGFLGGSQYSGSLKSSIPVDVARQR ELKWLDMFSNWDKLSRRFQKVKLRCKGIPSSLRKAWQYLSN SKELLEQNPRKFEELERAPGDPKWLVDIEKDLHRQFPFHEMFAA RGGHGQODLYRILKAYTIYRPDEGYCQAQAPVAAVLLMHMPAQ APWCLVQICDKVLPGYYSAGLEAIQLDGEIFFALLRRASPLAHR HLRRQRIDPVLYMTWFMCI FARTLPWASVLRVWDMFPCEGVKI IFRVALVLLRHTLGSVEKLRSCQGMETMEQLRNLFPQCMQEDF LVHEVTNLPVTALIERENAAQLKKWRETRGELQYRPSRRLHGS RAIHEERRRQPPPLGPSSS
7078	483	767	FGQORMAGEQKPSNNLEQFILLAKGTSGSALTALISQVLEAPG VYVFGELLELANVQELAEAGANAAYLQLNLFPAYGTYPDYIANKE SLPELY
7079	2	376	SVVEFKRPKEPSGSDGESDGPIDVGQEQLSQMARPLSTPSSSQ MQARKKRRGII EKRRDRINSSSELRLRLVPTAFKQGSSEKLEK

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			AEVLQMTVDHLKMLHATGGTGTALLFQASFIQQIF
7080	200	595	VQLPLEAPCLSLSLCRDHSGGNRDLRRHRDCRVYGSPODGIPY LTHPLCHQDVVSVGRQLQIRALATPGHTQGHVLVLLDGEPPYKGPS CLFSGDLLFLSGCGEFPKRREELGEGGETEVRAATVPWRALPK
7081	213	506	AVTEEMILNLSLSCYHNKILAPMVRVGTLPMLRLALDYGADI VYCEELIDLKMIQCRVVNEVLSTVDFVAPDDRVRVFTCEREQN RVVFQMGTS
7082	3	1137	APSRNTMLMANCRGPVLLCLRQGLGTNSFLHGLGQRPPEGARSL CCRSSPRDLRDGEREHEAAQRKAPGAESCPSLPLSISDIGTCL SSLENLRPLTLRRESSPRELEDSSGQGRCGPTHQGSDEPSMLS QAQSATEVEERHVS PSCSTSRERPFQAGRLILAEETGEGTKFKK LFRILNNFGLNLSNWGA VPGKIVGKFPQGILRSSFGKQYMLRRP ALEDYVVLKRGTAITFPKIDINMILSMMDINPGDITVLEAGSGSG GMSLFLSKAVGSQGRVISEFVRKDHDHLAKKNYKHWRDSWKLH VEEWPNDVDFIHKDISGATEDIKSLTFDAVALDMLNPHVTLFVF YPHLKHGGVCPVYVNNITQVIRLLD
7083	115	541	RSNAVOLTMEYAMKSLSLSLYPKSLSRHVSVRTSVVTQQLLSEP SPKAPRARPCRVSTADRSVRKGMAYSLEDLLKVRDTLMLADK PPFLVLEEDGTTVTEEYFQALAGDTVFMVLQKQKQPPPEQG TRHPLSLSHK
7084	3	522	NSVSVSSQSRFLASVPGTGVQSRSAADMAASTAGKQRIKPAK VKNKAPAEVQITABQLLREAKKRELELPPPPQKQITDEEELND YKLKRRKTFEDNIRKRTVISNWKYQWEESELEIKRARSIE RALDVEDYRNITLWLKYAEMEMKNRQVNHARNIWDRAITTL
7085	243	1499	RQLARLRRRGWRSPFGGAPMAHITINQYLQVVEAIDSRDGASC AELVSFKHHPVANPRLQMASPEBKCCQVLEPPYDEMFAHLRCT YAVGNHDFIEAYKQQTIVIQSPFRAFQAHKEENWALPVMYAVAL DLRVFANNADQQLVKKGSKVGDMLEKAAELLMSCFRVCASDTR AGIEDSKKWMGLFLVNLQFLKITYPKINKLHLCKPLIRAISSNLK DDYSTAQRVTYKYVGRKAMFDSDFKQAEYLSFAFEHCHRSSQ KNKRMILYLLPVKMLLGHMPTVELLKKYHLMQPAEVTAVSEB NLLLHEALAKHEAFFIRCGIFLILEKLKIITYRNLFKKVYLL KTHQLSLDAPLVALKFMQVEDVDIDEVQCILANLIYMGHVKGYI SHQHQKLVSQKQNPFPPLSTGC
7086	256	525	ILAARMGKQNSKLRPEVMODLLESTDFTEHEIQEWYKGLRDCP SGHLSMEBFKKIYGNFFPYGDASKPAEHVFTFDANGDGTIDFR EF
7087	166	723	LSGSSAGKVAAPCVPPSNHELVPITTENAPKNVVDKGEAERGG NTRKSLDNGSTRVTPSVQPHLQPIRNMVSVRTMEDSCLEDLVY VTERIIAVSFPSTANEENFRSNLREVAQMLKSKHGGNYLLFNLS ERRPDITKLHAKVLEFGWPDLPALKEKICSICKAMDTWLNAP HRCRVLHNKG
7088	104	759	GTSAA SPSSLLEMAEITETGRLYSSVGLVYMFNLIUGTGALT MPKAFATAGLVLVLLVFLGFMSPMTTTFVIEAMAAANAQLHW KMRNLKEEEDDDSTASDSVLIRDNYERAERKRPILSVQRRGS PNPFEITDRVEMGOMASMPFNKVGUNLFYFCIIVYLYGDLAIYA AAVPFSLMQVTCSATGNDSCGV EADTKYNDIDRCWGPLRRVD
7089	33	1775	SVCWEDRYLKARMEESPLSRAPSRGGVNFVARTYIIPNTKVEC HYTLEPGTMPASDWDIGIFKVEAACVRDYHTFWSSVPESTDG SPIHTSVQFQASYLPKPGAQLYQFRYVNRQQVCGQSPFPQFRE PRPMDELVTLEADGSSDILLVVPKATVLQNQLDESQQERNDLM QLKLQLEGQVTELRSEVQELERALARQEBTELMEQYKGISRS HGREITEERDILSRQGDHVARILELDDIQTISBKVLTKVEBL RLRDTVKALTREQBKLLGQLKEVQADKEQSEAEQVAQENHHL NLDLKEAKSWQEQSAQAQRLKDKVAQMKDTLGQAQQRVABLEP

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			LKEQLRGAGQELAASSQKATLLGEELASAAAARDRTIAELHRSR LEVAEVNGKLAELGLHLKEKCKQWSKERAGLLQSVBAEKDKILK LSAEILRLKAVQEBERTONQVFKTELAREKDSLVQLSESKREB TELSALRVLQKEKEQLQEEKQELLEVMRKLEARLEKVADEKWN EDATTEDEBAAVGLSCPAALTDSEDESPEDMRLEHMAFVSVETQ ASLLGLLE
7090	33	1775	SVCWEDRYLKARMEESPLSRAPSRGGVNFVARTYIPNTKVBC HYTLPPGTMPASDWIGIFKVEAACVRDYHTFVNSSVPESTTDG SPIHTSVQFQASYLPKPGAQLYQFRYVNRQGVCGQSPFPQFRE PRPMDRLVTLBEADGSDILLVVPKATVLQNLDESQQRNDLM QLKLQLEGQVTELSRVQELERALARATQEHTELMQYKGISRS HGEITEERDILSRQGDHVARILELEDDIQTISEKVLTKVEBLD RLRDTVKALTREQEKLGLQKKEVQADKEQSEARLQVAQENHHL NLDLKEAKSWQEEQSAQAQLKDKVAKMDTLGQAQQRVAELEP LKEQLRGAGQELAASSQKATLLGEELASAAAARDRTIAELHRSR LEVAEVNGKLAELGLHLKEKCKQWSKERAGLLQSVBAEKDKILK LSAEILRLKAVQEBERTONQVFKTELAREKDSLVQLSESKREL TELSALRVLQKEKEQLQEEKQELLEVMRKLEARLEKVADEKWN EDATTEDEBAAVGLSCPAALTDSEDESPEDMRLEHMAFVSVETQ ASLLGLLE
7091	186	1076	EQMLTREHRCGRSEBQELPWPSPKKARSGRWLRNGFRKMEEP EPPADSGQSLVPVYIYSPYVSMCDLAKIPKRASMVHSLIEAY ALHKQMRIVKPKVASMEEMATFHTDAYLQHLQKVSQEGDDHDP SIEYGLGYDCPATEGIFDYAAAIGGATITAAQCLIDGMCKVAIN WSGGWHHAKKDEASGFCLNDVGLLRLRRKFERILYVDLDLH HCDGVEDAFSPSTSKVMTVSLHKFSPGFPPTGDSVDVGLGKGRY YSVNPVIQDGIQDEKYQICERYEPAPNPGL
7092	522	809	KQGINEDQERSQKPRLGEGCEPISKQKMKLIKQKQWEEQRELR KQKRKEKRKKLERQCCMEPNSDGHDRKVRVRDVVHSTLRLLI DCSFDXLM
7093	454	655	NFGVSGVELAQASVMRMSFVIAACQLVLGLLMTSLTESSIONS ECPQLCVCEIRPWFTPQSTYREA
7094	2	508	FVRSMHWGVGFASSRCPVVDLSWNQSSIFPGWAGSEBPPFPYG DIIFAPLQDYGGIMAGLSDPWWKTLTYLTGGALLAAAYLLHR LLVIRKQOEIDSDAIILHQFARPNNGVPSLSPFCLKMETYLRM ADLEPYQNYFGKLSAQGKMPWIEYNHEKVSGETEPII
7095	1	411	IASSLPKMASLLQSDRVLYLVQGEKKVRAPLSQLYFCRYCSELR SLECVSHVEDSHYCPSCLENMPSARAKLKNRCANCFDCPCGMH TLSTRATSISTQLPDDPAKTTMKAYYLACGFCRWTSRDVGMAD KSVGR
7096	224	2067	ETRS LAVQEKPSQAGRRRSSRISPAGALFTRFLIQBLLLNFC SAMSPADAAAPAPASISLFDLSADAPVFGQLSLVSHAPGEALAR APRTSCSGSGERESPERKLLQGPMDSKELFCSTCDQTPQNHQ QREHYKLDWHRFNKQRLKDKPLLSALDFEKQSSSTGDLSSISGS EDSDSASEEDLQTLDRERATFEKLSRPPGFYPHRVLFQNAQGF LYAYRCVLGPHQDPPREARLLQNLQSKGPRDCVVLMAAGHPA GAIFQGREVVTHKTFHRYTVRAKRTAQGLRDARGGPPSHSAGAN LRRYNEATLYKDVRLIAGPSWAKALEEAGTILLRAPRSORSLE FGGKGAPLQRGDPRLWDIPLATRRPTFQELQRLVHLKLTTLHVYE EDPREAVRLHSPQTHWKTVREERKKPTEEEIRKICRDEKEALGO NEESPQKQSGSGEGEDGFQVELELVELTVGTLDLCESEVLPKRRR RKRNNKEKSRDQEGAGHRTLLQOTQEEEPSTQSSQAVAPLGL LDEAKAPGQPELWALLAACRAGDVGVLLQLLAPSPADPRVLSL LSAPLGGSGFTLLHAAAAGRGSVVRLLEAGADPTVQCQDH
7097	256	1228	IRTKSAATWEAWPQCGREGSRITTEPCANAGSRQELQTERISS FLAAQGDQAFHSGLETNNSNELPLRVGLKVAQGSPLMGQVSA

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			SNSFSRLHCRNANEDWMSALCPRLWDVPLHHLSTIPGSHDTMYC LNKKSPISEESRLQLLNKALPCITREPVVLKNSVTQALDVTETQ LDAGVRYLDLRIAHMLEGSEKNLHFVHMVYTTALVEDTLTETSR WLERHPREVVLACRNFEGLSDELHEVLVACIKNIFGDMLCPRG EVPTLRQLWSRGQQVIVSYEDRSSLRHRLWPGVPYWWGNRVK TRALIRYLETMKSCGR
7098	82	956	SSFLKRCRKVLGCWGIPEQSLFSTLEPRDKEIDNYCVMRLQT EARSGFAPNRPFPVNICRMTAVDGRGSSRETCHFHPSLEA LVLLLDQWQPGGVGICTSFLGISWALLDYHRAIRTCCLPSKPLIG LGSSVIYPLWNLNLLWPRVLAVALFSAFPYSVALHFTGLNLVL LLWVWLQGTDFMPDPSSEWLYRVTVATILYFSWFNVABGRTRGR ATIHFAFLSDSILLVATWVTHSSWLPSCIPLQLWLPVGCPCFP LGLALRLVYYHWHLPSCCCKPEDPDQVD
7099	992	210	LFRLAPGFLRLSLARQYHQIWAFFPLPSGATATNPAASRSLSA ARSLPRSPARPCPDALLGEHDFRGQGVRAQRFRSEBPGPGAD GAVLEVHVPIQAGVSLPGILAAKCGAEVILSDSSSLPHCLEVC RQSCQNNLPHLQVVLGTWGHISWDILALPPDILLASDVFPFP EDFEDILATYFLMHKNPKVQLWSTYQVRSADWSLEALLYKNDM KCVHILPESFDADKEDIAESTLPGRHTVEMLVISFAKDSL
7100	205	671	ANCGFWAAPGSEVSLPLWVPTASHSKTALGIGSAPPHLSVL FLFSFPFQGDPLEAFPVFKYDRNGLNVSIECKRVSGLEPATV DMAFDLTKTNMQTMYEQSEWGWKDRKREEMTDDRAWYLIANEN SSVVFVAFSHFRFDVERGDEVLYW
7101	2	503	WRGGPRRAKRLAGGAVGWVLLVRGVHVSVRAGGGRPPRAADMKKD VRILLVGEPRVGTSLIMSLVSEEFPEVPPRAEITIPADVTP ERVPTTHIVDYSEAEQSDQLHQEISQANVICIVYAVNNKHSIDK VTSRWIPLINERTDKDSRLPLILGKNKSDLVEYSR
7102	2	503	WRGGPRRAKRLAGGAVGWVLLVRGVHVSVRAGGGRPPRAADMKKD VRILLVGEPRVGTSLIMSLVSEEFPEVPPRAEITIPADVTP ERVPTTHIVDYSEAEQSDQLHQEISQANVICIVYAVNNKHSIDK VTSRWIPLINERTDKDSRLPLILGKNKSDLVEYSR
7103	119	438	GSQSSVAVNIRSGTDESSMDLMNGQASSVNIAATASEKSSSES LSDKGSSELKKSFDAAVVDVLKVTPEYAGQITLMDVVPVKAIQP DELSSCGWNKKEYSSAP
7104	1670	795	RLWEHRSVSAGASGWLSSPGCLLHPSLPEBERRVDILINNAGV MRCPHWTTEDGFEMQPGVNHLCBAWAGAAPWQAILPRPPKVL GP*V*VKSDLFIILNPGHFLTLNLLDKLKASAPSRINLSSLA HVAGHIDFDDLNWQTRKYNKCAAYCOS\KLATVLTKELSRLQ GSGVTVNALHPGVARTELGRHTGIHGSTFLQHNN\WAHLLAWS KSPRSWPAPAQHNTLAVAEELA\VISGKYFDGLKQKAPAPEARD EBVARRLWAESARLVGLEAPSVRBQPLPR
7105	765	143	GQMCRRPSPKSTCSLMTCDLP/RGLQDPQCLALFRVAVDKHQA LLKAAMSGQGVDRHLFALYIVSRFLHLQSPFLTQVHSEQWLST SQIPVQMHLLFDVHNPDPYVSSGGGFGPADDHGYGVSYIFMGDG MITFHTISSKSSKTTDSHRLGQHIEDALLDVASLFOAGQHFKRR FRGCKENSRHRCFLSRQTCASKASMTSTDF
7106	14	1064	GLQAGHPHPRASRIPEADTH\YSKLQRAFDSIVNKDHRMFGT YFRVGFPGSKFGDLDEQEFVYKEPAITKLPEISHRLEAFYGCQF GAEFVEVLKDSPTVDKTKLDPNKAYIQITFVEPYFDEYEMKDRV TYFEKNFNLRPFMYTTPFTLEGRPRGELHEQYRRNTVLTTHAF PYIKTRISVIQKEEFVLTPIEVAIEDMKKKTQLAVAINQEPDP AKMLQMLVQSGSVGATVNOGLEVAQVPLAEIPADPKLYRHNNKL RLCFKEFIMRCGEAVEKNRRLITADOREYQOBLKQYNNKLENL RPMIERKIPELYKPIFRVESQKRDSFHRSSFRKCBTQLSQGS
7107	1145	591	*I*WLQTGKKK

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7108	1	942	VKVALLLTNLEQPRTESEWENSFTLKMFLFQFVNLSSTFYIAP FLGRFTGHPGAYLRLINRWLEBCHPSGCLIDLQMGIIMVLK QTWNNFMELGYPLIQNWTRRKVRQEHGPERKISFPQWEKDYNL QPMNAYGLFDEYLEMILQPGFTTIFVAAFPLAPLALLNNITRI RLDAYKFVTQWRRLASRAKDIGIWWGILEGIGILSVITNAFVI AITSDFIPLRVYAYKYGPCAGQGEAGQKCMVGYVNASLSVFRIS DFNRESEPSDGESEPSGTPLKYCRYRDYRDPHSLVPYGYTLQF WHVLAW
7109	964	102	WDQRKRNLSLVPGAHGAQEEPEWEKKESLGAAQEALSIQLQPK E TOPFPKSEQVYLHFLSVVTEDEGPEPKDKGSLPQPPITEVESQVF SEKLATDTSTFRATSEGTLELQQRNPKAERLRWSPAQESFRQM VVIHKEIPTGKKDHECSECGKTFIYNHLVHVHQRVHSGEKKPYK SDCCGKTPQSSNLGQHQRIHTGEKPFECNCCGKAFRNGAHLVQH QRIHSGEKPYECNECGKAFSQSSYLSQHRRIHSGEKKPFICKECG KAYGWCSELIRHRRVHARKEPSH
7110	96	697	RLDNFSGFTVEVTKEERHIVKPLYDRYRLVKQMLTRASITPVLG SPSTKRRGQMLQPIIEGETAHFFEEIKEEEDGVNLSSELGDM L KTAQVQVSSSLKNSSESQVERNQEKALDLRLSSSRAASMPRLLEQ LWKARAEKKKLKRLTREFEAFYQQNGRNAQKEDRVFVLEEYRE YKKIKAKLRLLEVLISKQDSSKSI
7111	2	414	GSGLYRGFTPGGQCIWKPNMPPDHERNFQFTQFALELNELTAE LKRSLSPTDTRLRPDORYLEEGNIQAEEAQRRRIEQLQDRRKV MEENNIHVQARFRFRQTDSSGKEWVNTNTYWRLEAPGYGNMD GAVLW
7112	103	495	PRCFPVADRGRLLIGGLPDVVTIMEGKTLNLCTVFGNPDPEVIW FKNDQDIQLSEHFSVKVBQAKYVSMITKGVTSBDSGKYSINIKN KYGGEKIDVTVSVYKHGKIIPDAPPQAKPKLIPASASAAGQ
7113	1	824	KCLRQAWHEKAPSSLAFTRWCSREERAEGGGLHRSITRDPKPPG LRPSQRPMDDKKKRSKPKCLAQPAQAGTLRRVPVPTSHSGSL ALGLPHLPSPKQRAKFRVKGKCRFVLGGGSGSAGTLPLOHSP LTEVTDVYEMEGGLNLNLNDFHSGRLQAFGKECSFEQLEHVREM QEKARLWFSLDVCGEEEDDEEEDGVTEGLPREQKKTIMADRNL DQLLSNLGSCILGALVPGMGRGEGTYSQSHSWALGEKVGVGHSK SSGPLNLPRR
7114	3	1492	VWEVDEQIDHYKESQDKFLWQAFIGKETLKRSGQBECKICRKI IYLNTPFVSVKQRLPKYYSWERCSEKHLNFLGQNRSYVRKDDG CKAYWKVCLHYNLHKAQPAERFFQFNQKGALHQKQALRKSQRS QTGEKLYKCTECGVFIQKANLVVHQRTHTGKPYECCECAKAF SQKSTLIAHQRTHTGKPYECSECGKTFIQKSTLIKHQRTHTGE KPFVCDKCPKAFKSSYHLIRHEKTHIRQAFYKGIKCTTSSLIYQ RIHTSEKPPQSEHGKASDEKPSPTKHWRTHITKENIYECSSKCGKS FRGKSHLSVHQRIHTGKPYECSCGKTPSGKSHLSVHHRTHTG EKPYECRRCGKAFGEKSTLIVHQRMTGKPYKNECGKAFSEK SPLIKHQRIHTGERPYECTDCKKAFSRKSTLIKHQRIHTGKPY KCSECGKAFSVKSTLIVHHRTHTGKPYECRDCGKAFSGKSTLI KHQRSHTGDKNL
7115	1	947	NAAHGYNWGLWCMYIIPPODWLDRGDESAPITPAMIGCSFVVD REYFGDIGLLDPGMEVYGGENVKLGMRVWQCGGSMEVLPCSRVA HLERTRKPYNNIDYAKRNALRAAEVWDDFKSHVYMAWNIPI SNPGVDGFDVSERLALRQRLKCRSFKWYLENVYFEMRVYNNLT YGEVRNSKASAYCLDQGAEDGDRAILYPCHGMSSQLVRYSDGL LQLGPLGSTAFLPDSKCLVDDGTORMPTLKKCEDVARPTORLWD FTQSGPIVSRATGRCLEVEMSKDANFGLRLVQRCSGQKWMIRN NIKHARRH
7116	866	95	RVRMRRAEIVIEKLSMKSWAKFRFGEFPGKYPNIDPETDPYVT PGSVINNLSTINTVREVDHLDRNRSGLSSSLNTTLPSTSAWSSIR

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			ASNYNVPLSSTAQSTSAARNSDKLTWSPGSVTNTSLAHELWKVP LPPKNITAPSRPPPGLTGQKPPPLSTWDNSPLRIGGGWGNDSARY TPGSSWGESSSGRITNWLVLKNTLPQIDGSTLTILCMQHGPLIT FHLNLFHGNALVRYSSKEEVVKAQKSLHISDLFLITL
7117	695	1261	LLISTPGGCHPPPSSIRFTYTGAWGKALPAPHEMPCAPGALPQGA FVSQAARAIPLLPQSQAAQAGLSQPARACGALCSLPWPLRWNG SPILRLPGGLRTPTNDRKTRRSAMACWARAQWDTLGLPKLSHR GKVLRLHPRPTGVRGGPGAAGRQGGMGTRRRGTFTSGARDPGGL RVKHRCCQPTGHL
7118	49	1863	PHCEPNPGAGAMVLLHVLFEHAVGYALLALKEVEEISLLQPQVE ESVLNLGKFHSIVRLVAFPCPFASSQVALENANAVSEGVVHEDLR LLETHLPSKKKKVLLGVGDPKIGAAIQEELGYNCQTGGVIAEI LRGVRLHFNHVKGLTDLSSACKAQLGLGHSYSRAKVKFNVRVD NMIIQSISLLDQDKDINTFSMRVREWYGYHPPPELVKIINDNAT YCRLAQFIGNRRRLNEDKLEKLEELTMDGAKAKAILDASRSSMG MDISALDLINIESFSSRVVSLSEYRQSLHTYLRSKMSQVAPSL ALIGEAVGARLIAHAGSLTNLAKYPASTVQILGAEKALFRALK RGNTPKYGLIFHSTFIGRAAAKNKGRISRYLANKCSIASRIDCF SEVPTSVFGEKLRQVEERLSFYETGEIPRKNLDVMKHAMVQAE EAAAEITRKLEKQEKRLKKEKRLAALALASSENSSTPECE EMSEKPKKKKKQKQEVPOENGMEPSISFSKPKKKKFSKEEL MSSDLRETAGSTSIPKRRKSTPKEETVNDPERAGHRSGSKKRRK FSKEEPVSSGPEEAAGKSSSKKKKFKHAKSQED
7119	49	1863	PHCEPNPGAGAMVLLHVLFEHAVGYALLALKEVEEISLLQPQVE ESVLNLGKFHSIVRLVAFPCPFASSQVALENANAVSEGVVHEDLR LLETHLPSKKKKVLLGVGDPKIGAAIQEELGYNCQTGGVIAEI LRGVRLHFNHVKGLTDLSSACKAQLGLGHSYSRAKVKFNVRVD NMIIQSISLLDQDKDINTFSMRVREWYGYHPPPELVKIINDNAT YCRLAQFIGNRRRLNEDKLEKLEELTMDGAKAKAILDASRSSMG MDISALDLINIESFSSRVVSLSEYRQSLHTYLRSKMSQVAPSL ALIGEAVGARLIAHAGSLTNLAKYPASTVQILGAEKALFRALK RGNTPKYGLIFHSTFIGRAAAKNKGRISRYLANKCSIASRIDCF SEVPTSVFGEKLRQVEERLSFYETGEIPRKNLDVMKHAMVQAE EAAAEITRKLEKQEKRLKKEKRLAALALASSENSSTPECE EMSEKPKKKKKQKQEVPOENGMEPSISFSKPKKKKFSKEEL MSSDLRETAGSTSIPKRRKSTPKEETVNDPERAGHRSGSKKRRK FSKEEPVSSGPEEAAGKSSSKKKKFKHAKSQED
7120	1991	64	QLGTRRCLRGDKVTNAMQDFLVTLNLEPRFIEPQTANLSVVFADS NSTTFLIPVLSPGTDPADLYKFAEEMKFSKKLSAISLQGGQGP RAEAMRSSIBRGKWWFFQONCHLAPSWMPALERLIEHINPKVH RDFRLWLTSLPSNKFVVSILQNGSKMTIEPPRGVRANLLKSYSS LGEDFLNSCHKVMEFKSLLSLCLPHGNALERRKFGPLGNIPY EFTDGDRLRICISQLKMFLEDDIPYKVLKYTAGIINYGGRVTD DWDRCIMNILEDFYNPDVLSPEHSYSASGIYHQIPPTYDLHG LSYIKSLPLNDMPFIFGLHDNANITFAQNETPALLGTIIQLQPK SSSAGSQGREBIVEDVTQNIILKVPEPINLQWVMKYPVLYEES MNTVLVQEVIRYNRLQVITQTLQDLLKALKGLVVMSSQLBMA ASLYNNTVPPELWSAKAYPSLKLSSWMDLLQRLDFLQAWIQDG IPAVFWISGFFFPQAFLTGTLQNFARKFVLSIDTISDFKVMFE APSELTQRPQVGCYIHGLFLEGARWDPFAFQLAESQPKELYTEM AVIWLPTPNRKAQDDFYLCPIYKTLTRAGTLSTTGHSTNYVI AVEIPTHQPQRHWIKRGVALICALDY
7121	2	546	RPLRPWVLSLGSVMGLMTYGRROFQSLDTMRRLIPPFREASAK LTLVDADAFAFTAYLEAMRLPKNTPEEKDRRTAALQEGLRRAV SVPLTLAETVASLWPAQLARCGNLACRSDLQVAKALEMGVF GAYFNVLINLRDITDEAFKQDTHHRVSSLLQEAQTQAAVLDC

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7122	2	546	ETRQE RPLRPVWLSLGSVMGLMTYGRQQFQSLDTTMRRLIPPFREASAK LTTLVDADEAFTAYLEAMRLPKNTPEEKDRRTAALQEGLRRAV SVPLTAEVSLWPALELARCGLACRDLQAALAKALEMGVP GAYFNVLLNLRDITDPAFDQIHHRVSSLLQRAKTQAALVLDCL ETRQE
7123	1	1092	KPAVPEARSAGTSEAGRSGAREVSCGVSVDGGAAMRLTPRALCS AAQAAMWENFPLCGRDVARWPGHMAKGLKMQSSLEKLVDCITE VHDARIPLSGRNPLFQETLGLKPHLLVNLKMDLADLTEQQKIMQ HLEGBGLNVIETNCVKDENVKQIIPMVTELGSRSHRYHRKENL RYCINWIGVFNWVGKSSLINSLRRQHLRKGKATRVGGEFGITRAV MSKIQVSERPMLFLDTPGVLPRIESVETGLKALCGTVLDHL VGBETMADYLLTYLNLKHQRFQVQHYGLSACDNVERVLSVAV KLKGTQVKVLTGTGNVNIQPNYPAAARDFLQTFRRGLLGSSVM LDLDVLRGEPRV
7124	2	382	LPPLTLLAAPFAHLLLPDGHQDQSPCNHPCFALSPGTGLPISWAM ANSGLQLLGYFLALGGWVGIIASTALPQWKQSSYAGDASIQLR8 KVFVLESEWGGDSLGLPRDCGWSCLLHSAVRSEKGFWS
7125	166	1127	NCISEKKNYSFSMQKGRGRTSRIRRRKLCSSSESRGVNESHKSE FIELRKNLKARKPQDSNLAPACFPGTGRGLMSQTSLEQGMIIIS LPESCLLT/RDVTIRSYLGAYITKWKPPSPPLALCTFLVSEKH AGHRSLLER\YLEILPKAYTCPVCLEPEVVNLLPKSLKAKAEQ RAHVQEFASSRDFPSSSLQPLFAEAVDSIFSYSAILLWACTVNT RAVYL/SPGSCNAFLQSRTPVQLAPYLDLNLHSPHVQVKAFFNE ETHSYEIRTTSRWRKHBEVFCYCPHDNQRLFLEYGFVSVHNPH ACVYVSRGWNQLCS
7126	1	733	CRDMAAFIVSPARRCSQKGSGLHLPTQPLWAAWSPRGQERG SHSQAREPQRPGRWLLGSLQSSPGTLGQAGTASRRRGCMVQRWV QVATGRRVQVPKGAIGLALGETSPGASRCMSGGAGGCWALGWA PSPVLPSWLLGPPPWLSIISDSGTQRPSPRRCPARSPWPQPC WRGRIASAEASST*TPGSGSRARSRRSPGSRSSASAPSPPT PTDACA*SCVARPAGSRSSRPAAA
7127	1311	277	GLPAMCST*KAGYYEETEGDCIPKDR*IEKRPFKEI*RRIPRI AKQKQI*S*NSQKIGASEIDRGKKEADCSAPAAARIGAVSVFR RSTQEARVSPRSNAKSANLRAVRAD*WEHFLVLFHTPBQPLAEC ICRST**K*WHQLC*PLSSL*TGLKRELL*VLFRI*WLKDCDV *FCQKIFATNFCNWQNLQ*EE*KPVEYSVEN*HIMNLLPM*L CQSSLRDQITVTRM*RNYSMFRINMISSL*DGSIHIPKIHFPY PALIFTTLTPINSCQRPPLFAHQSIKTASSGSPMLACLRL LVKKRAFHTPRSPGCSV*CKHVLVKDNKNKNCVGEV
7128	2	5228	GRVDLWTLTLLGRSALRELSQIRAEKLNKHNRLLEGLSYKPPSP SSAEKVKANKDVASPLKELGLRISKFLGLDEBQSVQLLQCYLQE DYRGTRDSVKTVIQUERQSQALILKIADYIYERTCILRCVHL LTYFQDERHPYRVYADCVDLEKRLVSKYRQOFELLYKTRAPT WETHGNLMTREQVSRWVQCLEQSMLEIIFLYVAYFEMAPSD LLVLTMMFKQGGFGRQTNRLHVDETMDPPVDRIGYFSALILVE GMDIESLHKCALDDRRRELHQFAQDGLICQDMOCLMLTFGDIPH APVLLAWALLRHTLNPEBTSSVVRKIGGTAIQNLVPOYLTRLQ SLASGGNDCTTSTACMCVYGLLSFVLTSLEKHLTGNOQDIIDTA CEVLADPSLPFLFWGTEPTSGLGIILDSVCGMTPHLLSPLLQLL RALVSGKSTAKKVYSFLDRMSFYNELYKHKPHDVISHEGDTLWR RQTPKLLYPLCGQTNLRIPQGTVCQVMLDDRAYLVWRWEYSYSSW TLFTCEIEMLLHVSTADVIQECQVRKPIIDLVRKVISIDLSIA DCLLPITSRIYMLLQRLTTVISPVDVIASCVNCLTVLAARNA KVWTDLRHTGFLPFVAHPVSSLSQMSIAEGMNAGGYGNLMMNSE QPQGEYGVTTIAFLRLITTLVKQLGSTQSQGLVPCVMFVLKEML

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			<p>PSYHKWRYNSHGVRQIGCLILELIHAILNLCHETDLHSSHTPS LQFLCICSLAYTEAGQTVINIMGIGVDTIDMVMAAQPRSDGAE QGQQLLIKTVKLAFSVTNNVIRLKPPSNVVSPLQALSQHGHA GNNLIIVLAKYIYHKHDPALPRLAIQLLKRATVAPMSVYACLG NDAAIRDAFLTRLQSK\IE\DMRIK\VMIL\EFLTVA\VETQP GLIELFLNLEVKDG\SDGSKFSLGMW\SLHAV/VWELIDSQQ QDRYWCPLLHRAAIAFLHALWQDRRDSAMLVLRTPKFWENIT SPLFGTILSPSETSEPSILETCALIMKIIICLEIYYVVKGSGLDQ LKDTLKKFSIEKRFAYWGSYVKS LAVHVAETEGSSCTSLLEYQM LVSAWRMLLIATTHADIMHLTDSVVRQLFLDVLDTGKALLLV PASVNCRLRIGSMKCTLLILLRQWKRLGSDVDEILGPILEILG VLQADQQLMEKTKAKVFSAFITVLQMKEMKVS DIPQYSQVLVNL CETLQEEVIALFDQTRHSLALGSATEDKDSMETDDCSRSRRDQ RDGVCVLGLHLAKELCEVDEDCDSWLQVTRRLPILPTLLTLE SLRMKQNLHPTFATLHLTLARTQGGATAVAGAGITQSICLPL LSVYQLSTNGTAQTPSARSKSLDAPSWGVRYSLSLMEQLLKT LRYNLFPEALDFVGVHQBRTLQCLNAVTVQSLACLEADHTVG FYLQLSNFMKEWHFHLPLQMRDIQVNLGYLQCACTSFHLSRKM QHYLQNKNGDGLPSAV\AQRV\QRPPSAASAAPSSSKQPAADT ASEQQALHTVQYGLLKI LSKTLAALRHFTPDVCQILLDQSLDLA BYNLFALSFTTPTFDSEVAPSGTLLATVNVVALNMLGELDKKK EPLTQAVGLSTQAEGRTRTKSLMFTMENCFYLLISQAMRYLRD PAVHPRDKQRMKQELSSSLSTLLSSLSRYFRGAPSSPATGVLP SPQCKSTSLSKASPESQEPLIQLVQAFVRHMQR</p>
7129	1	1054	<p>FRFRFRWRRLH*AGPASSAGGSGPGEASGTMSGELPPNINIK WDQSTFIGRANHFVTVDPRNILLTNEQLESARKIVHDYRQGI PPGLTENELWRAKYIYDSAFHPDTGKMLIGRMSAQVPMNMTI TGCMMTFYRTTPAVLEFWQWINSFNNAVNYNTRSGDAPLTVNEL GTAVYSATTGAVATAGLNLTKHVSPILIGRFVPPAAVAAANCI NIPLMRORRELKVGIPVTDENGNRGSESANAQAQITQVVVSRI MAAPGMAIPPFIMNTLEKKAFLKRFPPWMSAPIQVGLVGPCLVFA TPLCCALFPQSSMSVTSLEAELQAKIQESHPELRRVYFNKGL</p>
7130	2	780	<p>HEVPSLQTSDDLPGSVQRCSSVVVSQPNKENWCQDHLNLSGRK ISAKSQPYHRSQSSSVLKNKMSDINYPDVQKQQLSLHRS RCESHQDILLPDADSHQGGTEKLSDLTLQDSQKVVVVNRNPLN AQIATQNYFSNFKETDGEDDYVEIKSEDESELELSHNRKRS DSKFVDADFPDNCVSGNTLHSLNSPRTPKPVNSKLGSLPYLTP YNDSDKLDNDYLWRGSPSPNQNTIVQSLREKFCCLSSSSFA</p>
7131	805	573	<p>AAAEHIEVVKFLIEACKVNPFAKDRWGNIPLODAVQFNHLEV KLQDYQDSYTLSETQARAAARALSKENLESMT</p>
7132	1420	1087	<p>IDMLLSGALVSGPYTLITTAVSADLCTHKSILKGNALSTVTA IIDGTGSGVGAALGPLLAGLLSPSGWSNVFYMLMFADACALLFLI RLIHKELSCPGSATGDQVPFKEQ</p>
7133	2	3648	<p>QQIPGLLPAHGESGDALRKPRLOKPIITGHLLDFFTLPSLEKF EBELLELHVQDHFQEGCGPLDGGALEILERRLRVGVHNGLGFVQ RPQVVVLVPEMDVALTRSASFSSKVVSSKTSSGSQALVLRSL RLPEMVGHAPFAVIFQLEYVFSSPAGVDGNAASVTSLSNLACMH MVRWAVWNPLLEADSGRVTLPLQGGIQPNPSHCLVYKVPASMS SEEVKQVESGTLRFQFSLGSEHLDAPTEPVSGPKVERRPSRK PTSPSSPPAPVPRVLAAPQNSPVGPGLSISQLAASPRSPTOHCL ARPTSQPLPHGSQASPAQAQEFPLEAGISHLEADLSQTSVLVETS IAEQLOELPFTPLHAPIVVGTTQTRSSAGQPSRASMVLQSSGFP EILDANKQPARAVSATEPVTFNPKKEESDCLQSNEMVLQFLAFS RVAQDCRGTSWPKTVYFTFQFYRPPPATTPRLQLVQLDEAGQPS SGALTHILVPSRDGTFDAGSPGFQLRYMVGFGFLKPGERRCFA RYLAVQTLQIDVWDGDSLLIGSAAVQMKHLLRQGRPAVQASHE</p>

SEQ ID NO:	Predicted beginning nucleotide location corresponding to first amino acid residue of amino acid sequence	Predicted end nucleotide location corresponding to first amino acid residue of amino acid sequence	Amino acid segment containing signal peptide (A=Alanine, C=Cysteine, D=Aspartic Acid, E=Glutamic Acid, F=Phenylalanine, G=Glycine, H=Histidine, I=Isoleucine, K=Lysine, L=Leucine, M=Methionine, N=Asparagine, P=Proline, Q=Glutamine, R=Arginine, S=Serine, T=Threonine, V=Valine, W=Tryptophan, Y=Tyrosine, X=Unknown, *=Stop Codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
			LEVVA TEYEQDNM VVSGDMLGFGGRVKPIGVH SVVKGRILHLTLAN VGHPCEQKVRGCS TLPPSRSRVISNDGASRFSGGSLTTGSSRR KHVVQAQKLADVDSELAAMLLTHARQKGKGPQDVSRES DATRRRK LRRMRSVRLQKAGGDLGRRGTSVLAQQSVRTOHLRDLQVIAAYR ERTKAESIASLLSLAITTEHTLHATLGVAEFPFVLKNPHNTQH TVTVEIDNPELSVIVDSQEWDRFKGAAGLHTPVEEDMFHLRGSL APQLYLPHETAHVPPKQSPSAGQLAMVQASPLSNEKGM DAV SPWKSSAVPTKHAKVLFASGGKPIAVLCLTVELQPHVVDQVFR FYHPELSFKKAIKRLPPWHTFPGAPVGM LGEDPPVHVRCSDENV ICETQNVGPGEPDIFLKVASGSPSEIKDFFVVIYSRWLATPT QTWQVYLHSLQRVDVSCVAGQLTRLSLVLRGTQTVRKVRAFTSH PQELKTDPKGVFVLPRGVQDLHVGVRPLRAGSRFVHLNLVDVD CHQLVASNLVCLCCRQPLISKAFIIMLAGEGKGVNKRITTYNP YPSRRTFHLHSDHPELLRFREDSFQVGGGETTYTIGLQFAPSQRV GEEELIYINDHEDKNBEAFCKRVIIYQ
7134	2115	1111	GGEGFSYPHVGSLSGTPLDPHYVLEVHYDNPTYPEGLIDNSG LRLPYTMDIRKYDAGVIEAGLWVSLFHTIPPQMPPEFQSGHCTL ECLERALEAKPSGIHVPAVLLHAHLAGRGIRLRHFRKGKEMKL LAYDDDFDNFQEFQYLKEEQTILPGDNLITECRYN TKDRAEMT WGGLSTRSEMCLSYLLYYPRINLTRCASTPDIMEQLQFIGVKYI YRPVTTWPFIIKSPKQYKNLSFMDAMNFKWTKKEGLSFKNLVL SLPVNVRC SKTDNAENSIQGMTALPPDIERPYKAEPLVCGTSSS SSLHRDPSINLLVCLLLLSCTLS TKSL
7135	2	2072	FVPRVTPRSLSLQGGKGESVGSITQPLPSSYLIIPRAASESDGRC WLDAL ELALRCSLLRLGTCKPGRDGEPTGSPDASPSLGLCPA SATVHPDQDLFPLNGSSLENDAPS DKSERENPEESDTETQDHSR KTESGSDQSETPGAPVRRGTTTVEQVQEEELGELGEASQVETVSE ENKSLMWTLKQLRPGMDLSRVVLPTFVLEPRSFNLKLSDYHYH ADLLSRAAVERDAYSRMKLVLRWYLSGFYKPKGKIKKPYNPILG BTFRCWFHPQTDSTFTYIAEQVSHHPVVSAPHVSNRKDGFCIS GSITAKSRFYGNLSALLDGKATLTFLNRAEDYTLTMPYAHCKG ILYGTMTLELGGKVTIECAKNNFQAQLEFKLPFFGGSTSINQI SGKITSGEEVLASLSCHWDRDVFKEEGSGSSALFWTPSGEVRR QRLRQHTVPLEEQTELESERLWQHVTRAISKGDQHRATQKBFAL REAQRQRARERQESLMPWKQLFHLDPITQEBWHYRYEDHSWPWD LKDIAQPEQDGIILRTLQRAVARQITFLGSPGPRHERSGPDQRL RKASDQPSGH9QATESSGSTPESCPBLSDEEQDGFVPGGESPC PRCRKEARRLOALHEAILLSIREAQOBLHRHLSAMLSSTARAQA PTPGLLQSPRSWFLLCVFLACQLFINHILK
7136	2	418	DFVPSFRPSPGNTSQT VVLLRAATLEKEVAGLREKIHHLDDMLK SQQRKVRQMIBQLQNSKAVIQSKDATIQELKELIAYLEAENLEM HDRMEHLIEKQISHGNFSTQARAKTENPGSIRISKPPSPKMPFV IRVVET
7137	2	466	WASGMSTVPGGSRHSLGIQVRGGWGVGTGGEESLTPVPVADTWQA GSFKVATQERNPQRAQMRLRRQKGVVPLGDFLTELQRLDSAI PDDLGN TNKRSKEVRVLQEMQLLQVAAMNYRLRPLEKFVYTYFT RMEQLSDKESYKLSQLEPENP
7138	2	466	WASGMSTVPGGSRHSLGIQVRGGWGVGTGGEESLTPVPVADTWQA GSFKVATQERNPQRAQMRLRRQKGVVPLGDFLTELQRLDSAI PDDLGN TNKRSKEVRVLQEMQLLQVAAMNYRLRPLEKFVYTYFT RMEQLSDKESYKLSQLEPENP
7139	1	357	SIRNSARGLKMAASAARGAALRRSINQPVAFVRRIPWTAASSQ LKEHFAQFGHVRRCILPPDKETGPHRGCLGWVQFSSEGLRNALQ QENHIIDGVKVQVHTRRPKLPQTS DDEKKDF
7140	1401	1957	RASSLQVLKANGGLIPSSFQQQHTGQYALEELFDLKVYDCFCFSF NMNVSLKQLRPSQWPWPRGKCRKTPGWEEARPKAQDLRGDLGKT

SEQ ID NO:	Predicted beginning nucleotide location corresponding to first amino acid residue of amino acid sequence	Predicted end nucleotide location corresponding to first amino acid residue of amino acid sequence	Amino acid segment containing signal peptide (A=Alanine, C=Cysteine, D=Aspartic Acid, E= Glutamic Acid, F=Phenylalanine, G=Glycine, H=Histidine, I=Isoleucine, K=Lysine, L=Leucine, M=Methionine, N=Asparagine, P=Proline, Q=Glutamine, R=Arginine, S=Serine, T=Threonine, V=Valine, W=Tryptophan, Y=Tyrosine, X=Unknown, *=Stop Codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
			QAGPAEARTRGPPRLPAATGCPPLPGLLSGISVDIDPTGLQSQ WTPKGQDPPLMFSEDYQKSLLEQVHLGLDQKLKRYVVGELIWNF ADFMNQCG
7141	124	1073	LDSRSCWLDMEEDVRFIVDETLDFGGLSPSDSREEEDITVL VTPEKPLRRGLSHRSDPNAVAPAPQGVRLSLGPLSPEKLEBILD EANRLAQLEQCALQDRESAGEGLGPRRVKPSPRRETFFVLKDSP VRDLLPTVNSLTRSTPS/LKQPDASTPE**EGVSQGSPIYWK EALQHEEGVTHLQSVPTIQKPSIFSS\SRSTPPVRGRAGPSGRA AASEETRAAKLRGAAKSSCOLPIPSAIPRPASRMPLTSRSVPP GRGALPPDSLSRKGPRPSTAGHRVRESGHKVPVSQRNLNLPVM GATRSNLQPP
7142	658	839	LIFLMLHMEKMLSSVTLHIRAFLYWICKPTSCLIFQNVLL KK*SRVGVVVVMCRT/YSSDLQGVVIRPWLGLGSQDAAHDLDT LKKNKVTHILNVAYGVENAFSLDPTYKSIISILDLPETNLSYFP ECFEFIEBAKRKDGVLVHCNA
7143	3	773	SLEMSSDGEPLSRMDESDSISSTIMDSDSTISSGRSTPAMMNQ GSTTSSSKNIAYNCCWDQCOACFNSSPDADHRSIHVDGQGG VFVCLWKGCKVYNTPTSQSWLQRHMLTHSGDKPFKCVVGGCNA SFASQGGIARHVPTHTSQSNSSKVSSQPKAKRESPSKAGMNR KLKNKRRSLARPHDFDAQTLDAIRHRAICFNLSAHIESLGKG HSVVHSTVSILLFFQIKYKTLQKNISTIISKSLKI
7144	1	988	FRVNMDDGGFSPAHSKAEESAGMEARFLGLPDAAGSSGPTPAR RCPAPRPAGVSYVIRDEVEKYNRNGVNALQLDPALNRLFTAGRD SIIIRISVNHQKQDPYIASMEHHTDWNVDIVLCCNGKTLISASS DTTVKVMNAHKGFCMSTLRTHKDYVKALAYAKDKELVASAGLDR QIFLWDVNTLTALTASNNVTTSLSGNKDSIYSLAMNQLGTII VSGSTBKVLRVWDPRTCAXLMKLGHTDNVXALLNDRDGTQCLS GSSDGTIRLWSLGGQRCIATYRVHDEGVWALQVNDAPTHVYSGG RDRKIYCTDLRNPDIRVLICE

TRADOCS:1416260.1(%CSK011.DOC)

WHAT IS CLAIMED IS:

1. An isolated polynucleotide comprising a nucleotide sequence selected from the group consisting of SEQ ID NO:1-1786 and 3573-5358, a mature protein coding portion of SEQ ID NO:1-1786 and 3573-5358, an active domain of SEQ ID NO:1-1786 and 3573-5358, and complementary sequences thereof.
2. An isolated polynucleotide encoding a polypeptide with biological activity, wherein said polynucleotide hybridizes to the polynucleotide of claim 1 under stringent hybridization conditions.
3. An isolated polynucleotide encoding a polypeptide with biological activity, wherein said polynucleotide has greater than about 90% sequence identity with the polynucleotide of claim 1.
4. The polynucleotide of claim 1 wherein said polynucleotide is DNA.
5. An isolated polynucleotide of claim 1 wherein said polynucleotide comprises the complementary sequences.
6. A vector comprising the polynucleotide of claim 1.
7. An expression vector comprising the polynucleotide of claim 1.
8. A host cell genetically engineered to comprise the polynucleotide of claim 1.
9. A host cell genetically engineered to comprise the polynucleotide of claim 1 operatively associated with a regulatory sequence that modulates expression of the polynucleotide in the host cell.
10. An isolated polypeptide, wherein the polypeptide is selected from the group consisting of:

- (a) a polypeptide encoded by any one of the polynucleotides of claim 1; and
 - (b) a polypeptide encoded by a polynucleotide hybridizing under stringent conditions with any one of SEQ ID NO:1-1786 and 3573-5358.
11. A composition comprising the polypeptide of claim 10 and a carrier.
12. An antibody directed against the polypeptide of claim 10.
13. A method for detecting the polynucleotide of claim 1 in a sample, comprising:
- a) contacting the sample with a compound that binds to and forms a complex with the polynucleotide of claim 1 for a period sufficient to form the complex; and
 - b) detecting the complex, so that if a complex is detected, the polynucleotide of claim 1 is detected.
14. A method for detecting the polynucleotide of claim 1 in a sample, comprising:
- a) contacting the sample under stringent hybridization conditions with nucleic acid primers that anneal to the polynucleotide of claim 1 under such conditions;
 - b) amplifying a product comprising at least a portion of the polynucleotide of claim 1; and
 - c) detecting said product and thereby the polynucleotide of claim 1 in the sample.
15. The method of claim 14, wherein the polynucleotide is an RNA molecule and the method further comprises reverse transcribing an annealed RNA molecule into a cDNA polynucleotide.
16. A method for detecting the polypeptide of claim 10 in a sample, comprising:

a) contacting the sample with a compound that binds to and forms a complex with the polypeptide under conditions and for a period sufficient to form the complex; and

b) detecting formation of the complex, so that if a complex formation is detected, the polypeptide of claim 10 is detected.

17. A method for identifying a compound that binds to the polypeptide of claim 10, comprising:

a) contacting the compound with the polypeptide of claim 10 under conditions sufficient to form a polypeptide/compound complex; and

b) detecting the complex, so that if the polypeptide/compound complex is detected, a compound that binds to the polypeptide of claim 10 is identified.

18. A method for identifying a compound that binds to the polypeptide of claim 10, comprising:

a) contacting the compound with the polypeptide of claim 10, in a cell, under conditions sufficient to form a polypeptide/compound complex, wherein the complex drives expression of a reporter gene sequence in the cell; and

b) detecting the complex by detecting reporter gene sequence expression, so that if the polypeptide/compound complex is detected, a compound that binds to the polypeptide of claim 10 is identified.

19. A method of producing the polypeptide of claim 10, comprising,

a) culturing a host cell comprising a polynucleotide sequence selected from the group consisting of a polynucleotide sequence of SEQ ID NO:1-1786 and 3573-5358, a mature protein coding portion of SEQ ID NO:1-1786 and 3573-5358, an active domain of SEQ ID NO:1-1786 and 3573-5358, complementary sequences thereof and a polynucleotide sequence hybridizing under stringent conditions to SEQ ID NO:1-1786 and 3573-5358, under conditions sufficient to express the polypeptide in said cell; and

b) isolating the polypeptide from the cell culture or cells of step (a).

20. An isolated polypeptide comprising an amino acid sequence selected from the group consisting of any one of the polypeptides SEQ ID NO:1787-3572 and 5359-7144, the mature protein portion thereof, or the active domain thereof.
21. The polypeptide of claim 20 wherein the polypeptide is provided on a polypeptide array.
22. A collection of polynucleotides, wherein the collection comprising the sequence information of at least one of SEQ ID NO:1-1786 and 3573-5358.
23. The collection of claim 22, wherein the collection is provided on a nucleic acid array.
24. The collection of claim 23, wherein the array detects full-matches to any one of the polynucleotides in the collection.
25. The collection of claim 23, wherein the array detects mismatches to any one of the polynucleotides in the collection.
26. The collection of claim 22, wherein the collection is provided in a computer-readable format.
27. A method of treatment comprising administering to a mammalian subject in need thereof a therapeutic amount of a composition comprising a polypeptide of claim 10 or 20 and a pharmaceutically acceptable carrier.
28. A method of treatment comprising administering to a mammalian subject in need thereof a therapeutic amount of a composition comprising an antibody that specifically binds to a polypeptide of claim 10 or 20 and a pharmaceutically acceptable carrier.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US00/34263

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : C07H 21/04; C12N 15/11, 15/63, 15/70, 15/82, 15/85; C07K 14/00
US CL : 536/23.1; 435/320.1, 455, 468, 530/300, 350

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 536/23.1; 435/320.1, 455, 468, 530/300, 350

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
MEDLINE, EAST

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WAJIMA et al. The cDNA cloning and transient expression of an ovary-specific 17beta-hydroxysteroid dehydrogenase of chickens. Gene. 1999, Vol.233, pages 75-82	1-11, 13-16, and 19-26
A	US 5,175,095 A (MARTINEAU et al) 29 December 1992 (29.12.1992), see especially columns 3-18.	1-11, 13-16, and 19-26
A	Database PubMed, ID No. 2393392, FREUDENSTEIN et al. mRNA of bovine tissue inhibitor of metalloproteinase: sequence and expression in bovine ovarian tissue. Biochem. Biophys. Res. Commun. August 1990. Vol.171. No. 1. pages 250-256, see Abstract.	1-11, 13-16, and 19-26
A,P	Database PubMed, ID No. 10919256, HENNEBOLD et al. Ovary-selective genes I: the generation and characterization of an ovary-selective complementary deoxyribonucleic acid library. Endocrinology. August 2000. Vol.141. No.8. pages 2725-2734, see Abstract.	1-11, 13-16, and 19-26
A	Database PubMed, ID No. 2760883, BEIL et al. Synthesis of polypeptides by the cervix of the baboon (Papio anubis). J. Reprod. Fertil. July 1989. Vol.86. No.2. pages 535-544, see Abstract.	1-11, 13-16, and 19-26
A,P	Database PubMed, ID No. 10830289, HINSHELWOOD et al. A 278 bp region just upstream of the human CYP19 (aromatase) gene mediates ovary-specific expression in transgenic mice. Endocrinology. June 2000. Vol.141. No.6. pages 2050-2053, see Abstract.	1-11, 13-16, and 19-26

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

Date of mailing of the international search report

Name and mailing address of the ISA/US

Commissioner of Patents and Trademarks
Box PCT
Washington, D.C. 20231

Facsimile No. (703)305-3230

Authorized officer

Michael Woodward

Telephone No. (703)308-0196

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US00/34263

Box I Observations where certain claims were found unsearchable (Continuation of Item 1 of first sheet)

This international report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claim Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claim Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☐ Claim Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of Item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:
This includes 4 invention Groups and 3572 sequence species

1. ☒ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

☐
☐

The additional search fees were accompanied by the applicant's protest.

No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US00/34263

This application contains the following inventions or groups of inventions which are not so linked as to form a single inventive concept under PCT Rule 13.1. In order for all inventions to be searched, the appropriate additional search fees must be paid. Group I, claims 1-11, 13-16, and 19-26, drawn to nucleic acid molecules, vector molecules and host cells containing said nucleic acids, polypeptides, methods of making said polypeptides and method of detection using said nucleic acids and polypeptides. Group II, claim 12 and 28, drawn to antibodies and method of treatment using composition comprising said antibodies. Group III, claims 17-18, drawn to methods of identifying a binding partner to a polypeptides. Group IV, claim 27, drawn to method of treatment using composition comprising polypeptides.

The inventions listed as Groups I-IV do not relate to a single inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons: Group I encompasses nucleic acids, polypeptides expressed thereby, vectors and host cells containing same, respectively, and methods of making as well as the first method of use of this subject matter. Groups II-V all are directed to different special technical features as summarized as follows: Group II is directed to an antibody and method of treatment using same, which antibody undergoes recognition and binding reactions wherein what is bound is different from what is bound by the compositions of Group I. For example, the polypeptides of Group I do not bind the polypeptides of Group I as the antibody of Group II does. Identification of binding partner and treatment are clearly different special technical features from detection. Group III is directed to the identification of a binding partner of a polypeptide, which is not identified in any of the other Groups and thus clearly contains its own special technical feature. Group IV is directed to treatment, which is a clearly different methods than the methods in the other Groups. Thus, in summary, each of Groups I-IV are directed to different special technical features and thus support this lack of unity.

Additionally, each of the claims is directed to more than one species of the generic invention. These species are deemed to lack unity of invention because they are not so linked as to form a single inventive concept under PCT Rule 13.1. In order for more than one species to be searched, the appropriate additional search fees must be paid. The species are as follows: The claims include a series of polynucleotides and the polypeptides encoded thereby as represented by the sequences of SEQ ID Nos: 1-1786, and 3573-5358. Each of these polynucleotide sequences encodes a separate polypeptide and thus represent a separate gene. Therefore, each of these genes defines its own special technical feature. In summary, one species is a gene represented by one polynucleotide sequence and one polypeptide sequence encoded thereby.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US00/34263

This application contains the following inventions or groups of inventions which are not so linked as to form a single inventive concept under PCT Rule 13.1. In order for all inventions to be searched, the appropriate additional search fees must be paid. Group I, claims 1-11, 13-16, and 19-26, drawn to nucleic acid molecules, vector molecules and host cells containing said nucleic acids, polypeptides, methods of making said polypeptides and method of detection using said nucleic acids and polypeptides. Group II, claim 12 and 28, drawn to antibodies and method of treatment using composition comprising said antibodies. Group III, claims 17-18, drawn to methods of identifying a binding partner to a polypeptides. Group IV, claim 27, drawn to method of treatment using composition comprising polypeptides.

The inventions listed as Groups I-IV do not relate to a single inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons: Group I encompasses nucleic acids, polypeptides expressed thereby, vectors and host cells containing same, respectively, and methods of making as well as the first method of use of this subject matter. Groups II-V all are directed to different special technical features as summarized as follows: Group II is directed to an antibody and method of treatment using same, which antibody undergoes recognition and binding reactions wherein what is bound is different from what is bound by the compositions of Group I. For example, the polypeptides of Group I do not bind the polypeptides of Group I as the antibody of Group II does. Identification of binding partner and treatment are clearly different special technical features from detection. Group III is directed to the identification of a binding partner of a polypeptide, which is not identified in any of the other Groups and thus clearly contains its own special technical feature. Group IV is directed to treatment, which is a clearly different methods than the methods in the other Groups. Thus, in summary, each of Groups I-IV are directed to different special technical features and thus support this lack of unity.

Additionally, each of the claims is directed to more than one species of the generic invention. These species are deemed to lack unity of invention because they are not so linked as to form a single inventive concept under PCT Rule 13.1. In order for more than one species to be searched, the appropriate additional search fees must be paid. The species are as follows: The claims include a series of polynucleotides and the polypeptides encoded thereby as represented by the sequences of SEQ ID Nos: 1-1786, and 3573-5358. Each of these polynucleotide sequences encodes a separate polypeptide and thus represent a separate gene. Therefore, each of these genes defines its own special technical feature. In summary, one species is a gene represented by one polynucleotide sequence and one polypeptide sequence encoded thereby.